

<110> Ruben et. al.

<120> 97 Human secreted proteins

<130> PZ028P2

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<151> 2000-09-11

<150> 09/892,877  
<151> 2001-06-28

<150> 09/437,658  
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<150> PCT/US99/09847  
<151> 1999-05-06

<150> 60/085,093  
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<170> PatentIn Ver. 2.0

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cagttccgccc	cattcccg	ccatggctg	actaattttt	tttattttatg	cagaggccga	180
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&lt;211&gt; 1540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (22)

&lt;223&gt; n equals a,t,g, or c

&lt;220&gt;

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&lt;222&gt; (430)

&lt;223&gt; n equals a,t,g, or c

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atcctaaga gaaagcttga gaaatagatt ttttatct taaagtcaact gtctattaa	1560
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<220>  
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<222> (1240)  
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<210> 18  
<211> 1143  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1100)  
<223> n equals a,t,g, or c

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<210> 19  
<211> 1537  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

<220>  
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<222> (16)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
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<222> (47)  
<223> n equals a,t,g, or c

<220>  
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<222> (52)  
<223> n equals a,t,g, or c

<220>  
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<222> (93)  
<223> n equals a,t,g, or c

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<211> 1508  
<212> DNA  
<213> Homo sapiens

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<210> 22  
<211> 1447  
<212> DNA  
<213> Homo sapiens

<400> 22	60
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<210> 23  
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<212> DNA  
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>  
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<220>

<221> SITE

<222> (3848)

<223> n equals a,t,g, or c

<220>

<221> SITE

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>

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<222> (3885)

<223> n equals a,t,g, or c

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gccaagctgg cgtaatagcg aaaaggcccc gaccgacggc	ctttccaaca gttgccaacc	3840
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<210> 24  
<211> 1583  
<212> DNA  
<213> Homo sapiens

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<211>	1669					
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<222>	(587)					
<223>	n equals a,t,g, or c					
<220>						
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<222>	(1634)					
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<220>						
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<222>	(1659)					
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<222>	(1668)					
<223>	n equals a,t,g, or c					
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ctcaagtttc	tgcttggag	atcagctctg	cagagaatgg	aatgagaagt	attggtttag	900
ataggttgtt	tgtttgttgt	ttttgagacg	gagtttact	cttgtgccc	atgctggagt	960
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<210> 26  
<211> 1053  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1025)  
<223> n equals a,t,g, or c

<400> 26	
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agtctgttcc cgcgcgcgc gatgatgaac aatggccctcc tccaacagcc ctctgccttgc	180
atgttgcgtcc cctggcgccc agttcttact tctgtggccc ttaatgc当地 ctttgttgc	240
tggaaagagtc gtaccaagta caccattaca ccagtgaaga tgaggaagtc tgggggc当地	300
gaccacacag ggc当地atccg ggtgc当地gtt attggc当地gg gccacaagca acgttatcga	360
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gctctgc当地t tgggaccct catcaacaaac gtggaaagtg agccaggccg ggggtgc当地aa	660
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attcggccac taccccc当地at gaagagttac gtgc当地gttgc cttctgc当地t tgccc当地aaagc	960
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<210> 27  
<211> 1477  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (7)  
<223> n equals a,t,g, or c

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actgc当地taacta gatgaatc当地g ctgatgttgc当地t agacttgc当地t gtgc当地gttgc当地t tggttgc当地t	180
ttataggtt aataagtctt ttgaggaaga cctactc当地tgc当地t tgc当地atctt tgcaaagtaa	240

tgctaccgg	gaagaaaat	tcaactgtat	caacagttt	atgcagaaac	atgaaattga	300
atggaaaaa	tgtgtttag	ttttagtga	tgcttctagg	gcagtggatg	ggaaaattgc	360
cgaagctgtc	acctaataa	aatatgtggc	tcccgaaagc	accagtagtc	actgcctatt	420
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<210> 28  
<211> 2504  
<212> DNA  
<213> Homo sapiens

<400> 28						
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<210> 29  
<211> 1866  
<212> DNA  
<213> *Homo sapiens*

<400> 29	
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<210> 30  
<211> 1501  
<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1300)

<223> n equals a,t,g, or c

<400> 30

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cctggccaaa gccgcggcaa ccaactttgt cgcccaggcg cgtggcacga tcatcaacat	180
cggctcgatt gtcgctctcg ctcccaaagt gctgaacggc gtgtatggcg gtaccaaagc	240
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ccaggtgggt ctgcceaggcg ctaccgcac ggagttctgg gacatcgccg gcctgcctgt	360
gaaacaacct gccggaagcc atggtgatga ccaccgaaaa cctgggtggac gccgcctcgs	420
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<210> 31

<211> 1752

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1099)

<223> n equals a,t,g, or c

<400> 31

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<211> 2152  
<212> DNA  
<213> Homo sapiens

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<210> 33  
<211> 1757  
<212> DNA  
<213> Homo sapiens

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ggcagcgggg agaaaaggagt gtcacagggc gcaatcgatc gctgcgtgg aagtcaactga	180
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aactcgagcg gcacgag 1757	

<210> 34  
<211> 1466  
<212> DNA

&lt;213&gt; Homo sapiens

<400> 34

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aaaaaaaaaa	aaaaaaaaaa	actcgaa				1466

&lt;210&gt; 35

&lt;211&gt; 526

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (283)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 35

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catgaacctc	ctcttcaaca	tcgccaaggc	caagaactgc	gtgccc		526

&lt;210&gt; 36

&lt;211&gt; 2412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

<221> SITE  
<222> (329)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (340)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (977)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1117)  
<223> n equals a,t,g, or c

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aaaaaaactcg ag	2412

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<211> 1274  
<212> DNA  
<213> Homo sapiens

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<210> 38  
<211> 1036  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (43)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (58)  
<223> n equals a,t,g, or c

<400> 38	
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ggggaaagaa ttcctaattgc tccttatgtg ttagaggact ttgttgagaa tgtgaagtgc	180
gaaacatttc cagctttaa gatggagctg ctcactgctt tgctgcgcct tttccctctcc	240
cgacctgctg agtgcaggaa catgctagga cgttgttgt attactgcatt agaggaagaa	300
aaagatatgg ctgtacggga ccgaggtctc ttcttattatc gcctccctt agttggcatt	360
gatgaagttt agcggattct gtgttagccct aaatctgacc ctactcttgg acttttggag	420
gatccggcag aaagacctgt gaatagctgg gcctcagact tcaacacact ggtgccagtg	480
tatggcaaag cccactggc aactatctt aaatgccagg gggcagagcg ttgtgaccca	540
gagcttcata aaacttcatttgcgcga tcaggaccct tgattcctga agagaacaag	600
gagagggtaa aagaactccc tgattctgga gcccctatgc tagtccccaa tcgcccagctt	660
actgctgatt attttgagaa aacttggctt agccttaaag ttgctcatca gcaagtgtt	720
ccttggcggg gagaattcca tcctgacacc ctccagatgg ctcttcaagt agtgcacatc	780
cagaccatcg caatgatgt ggctgggtct cggccatgga aagcataacct cagtgcctag	840
gatgatactg gctgtctgtt cttAACAGAA ctgttattgg agcctgaaaa ctcagaaatg	900
cagatctctg taaaacaaaa tgaagcaaga acggagacgc tgaatagttt tatttctgt	960
ttagaaactg tgatttggaaac aatttgagaa ataaaatcat aacagagaaaa aaaaaaaaaaa	1020
aaaaaaaggc ggccgc	1036

&lt;210&gt; 39

&lt;211&gt; 1379

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 39	
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ctccccccccc tcagccccat ccgtgtcata cctggccggg actgggttgc acgttttaca	240
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agaatttgc caaataaaaaa gacagtgaga cccgccttggt agagggtgcg gagggtgtgt	360
gcagcaagtc agacttcgag tgccaccgc tgctggagct gagtgaggag ctgggtggaga	420
gctgggtgtt tcacaaggcag caggaggccc cggaccttcc ctgtggctg tgctcagatt	480
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gaacagagag gcccgtcggt ggctacgggc agtgtgaagg agaagggaca cgagggggca	600
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gctactttga ggcagaacgc aacgcacccgc atctgttatg ttccggctt tttggccct	720
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aaatgttggat gcagagat gaagctactt tcccagggtt atatggcaag caagtcgaa	1260
agctgggatc ccaatccaga cagtctgacc ttggaaacggactt actcatacac gtaataatg	1320
ctctggccccc aacttgcata ccacaaaaaa aaaaaaaaaa aaaaaaaaaaag ggcggccgc	1379

&lt;210&gt; 40

&lt;211&gt; 1932

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (293)

&lt;223&gt; n equals a,t,g, or c

<400> 40

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gggagggcca	tgatttccct	cccggggccc	ctggtgacca	acttgctcg	gtttttgttc	180
ctggggctga	tgccctcgc	ccccccctcg	cggggccagc	tgcaactgca	cttgcggcg	240
aaccgggtgc	aggcggtgga	gggaggggaa	gtggtgcttc	cagcgtggta	cancttgac	300
ggggaggtgt	cttcatccca	gccatgggag	gtgccttgc	tgtatgtggtt	cttcaaacaag	360
aaagaaaagg	aggatcagg	gttgcctac	atcaatgggg	tcacaacaag	caaacctgga	420
gtatccttgg	tctactccat	gccctcccg	aacctgtccc	tgccgctgga	gggtctccag	480
gagaaagact	ctggcccta	cagctgctcc	gtgaatgtgc	aagacaaaaca	aggcaaatact	540
agggggccaca	gcataaaaac	cttagaactc	aatgtactgg	ttccctccagc	tcctccatcc	600
tgcgcgtctcc	agggtgtgcc	ccatgtgggg	gcaaacgtga	ccctgagctg	ccagtctcca	660
aggagtaagg	ccgctgtcca	ataccagtgg	gatcggcagc	ttccatccctt	ccagactttc	720
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atggctggag	tctatgtctg	caaggcccac	aatgaggtgg	gcaactgcca	tgtaatgtga	840
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tggttggact	ggggttgctg	gctgggctgg	tccttctgt	ccaccggccg	gcaaggccc	960
tggaggagcc	agccaatgat	atcaaggagg	atgccattgc	tcccccggacc	ctgcccgtgg	1020
ccaaagagctc	agacacaatc	tccaagaatg	ggacccttc	ctctgtcacc	tccgcacgag	1080
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tataaaact	aacatgaaat	atgtgttgtt	ttcatttgca	aatttaata	aagatacata	1800
atgtttgtat	garaaaaaaaaa	aaaaaaaaaa	aaaaaggccg	gccgctctag	aggatccctc	1860
gagggggccca	agcttacg	tgcatacgac	gtcatagctc	tctccctata	gtgagtcgt	1920
ttataagcta	gg					1932

<210> 41  
<211> 1430  
<212> DNA  
<213> Homo sapiens

<400> 41

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tgcaagtgca	cttakacaaa	tgagatcaga	tgacctgggg	aacgtggctt	gtacacacct	180	
ttctgtgtc	tgttagcatca	gctaagac	taaaatcagt	aagaagat	atgtctct	240	
gttcacccat	aggaagc	ttcgtggta	gtgaaggggag	ctacctggac	atctccgact	300	
ggtttaa	ggccaa	gtt	accagat	tgccac	ccatgggt	360	
gggacctctg	tggacaa	wcgacagat	cctgtgagca	gctctgc	ccagaaaccg	420	
gtgagccat	ggagccgg	tgggataga	aggtgggaga	ggctgggtt	aaagaggcat	480	
tgtgctcc	ctac	tt	accatgg	tgc	tgacaa	540	
aggccatca	atctaataaa	cacta	tgtgtgc	ttgc	ttca	600	
ttcttagaga	gccacagact	ctc	gaaaggacca	caga	gaaacat	660	
tccagacaag	caaaatgtct	gcacttc	tatcc	ttc	atcttctt	720	
tactagctgg	gtgatcttga	gcaagac	cttac	çag	tacaaga	780	
agcaccaacc	cacaaaactg	tcatt	aggatgagaa	gctgtgt	aatctcaca	840	
catattcatt	aattcactca	acag	gtttagt	ttt	ggcatatt	900	

gggaagacag cagtcatcaa aatatgcaaa atctccaccc tcatgaagct tacatgctag	960
tggggtagac actaaacatg cactgtggaa tatggtagcc actagctaca tgtggcattt	1020
tatTTTaaat taattgaaat taaaataaaag taaacattca tttcccagt cataccaccc	1080
agatttcaag tgTTccatag ccacacacta gcagctacat tggacacaa catagmtata	1140
gaatatcttc atcactctga aaatttctca tggacagtg ctgcagtgg caaacaagca	1200
ggttaattat atgactctgt taggtgatga tagatgccgg tgggggaa aagaatgatg	1260
tacaaagcat gtggagtgt aagctggag tttgggtgga gtttcattat acagaaagtg	1320
gtcaggggag gcctctctga gtaagagga tcacttgagc cttaggagttc gagtccagcc	1380
tggacaacat agcaagatct catctctaaa aaaaaaaaaa aaggcgcc	1430

<210> 42  
<211> 1407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (353)  
<223> n equals a,t,g, or c

<400> 42	60
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attaaatgct aatagaccca cttgaggat gctcgcttaa tggaggatta gagaaaaaca	180
gacttaaaag accaacatgc cagttgtcc atcccttaag atgaaaagtt cttttcttg	240
tgttaatgta caaagctttt ctttggcac tgacaactgt gttctacctg ggaattttga	300
atagccattt tcatggctgt gtgttgtga acacaaatgt ttttaatgg tattctcacc	360
cagtaggcca gctctccaaa cggtgcttag atgcttcaaa attagcatat tttaagtttta	420
ccagtataaa ataccaatgc aactactcta catagccaaa tggggtaaa tcacgtctt	480
ttttcctgak gttttcaact ccaccaaattt ttacaaatsr ttgaaagaaa tatattctaa	540
cagtagcgcac tgaatagtga aaataatagg acatTTTAAG aaccagagcc atagaattat	600
tttaaattag tagaaaagag gagctattt cgaatctata gaataaaagta ccacctaaaa	660
ctgaattttt tcatataasc aagtaatacc tattagtcat acctaaattt ttcagcactt	720
cattcaatata aatmcatga attttaataa tttagatga tggaaatagg catgataata	780
cttttagtat aaaatctaaa cttttccat ttatcagaaa tgataaaatc cagttaccac	840
atatcacgtt tataaaatcc ttaattaaat gagtaacttc taaaatataa caataactaaa	900
tatcacactg cgtatggaggt cccaaatatg tggctatca ccactgaatt catgataatag	960
ataagaaaaa aatttagaggt ggatgtttt ttttgttca tgaattacta aatctctta	1020
gtatgttgg tatattttt agtaaaattt ccatttccat atttgagttt gaagggttt	1080
tatagtkgta ttttccctt cactgttaat aatcataatc cttttcagt atttttagtgg	1140
cctgaacaac tggtttatct acaatctaa atcctaagtgt tataattatg tgcattttca	1200
atacctcata taatacttgc tcaacagtat agtggatcca tggcattaaat gatgtgttt	1260
tgttctacat attttcaat atttattttt tctatgttga aatttatca ggctttaccc	1320
gttttttag tggtttaat aagtaatatt ttcaaaaagaa taaaataacc aatgatatct	1380
cttggaaataa tctgtaaaac gtagttataa aattctattt tctactttaga aaaaaaaaaa	1407
aaaaaaaaaaa aaaaaaaaaaag ggccggcc	

<210> 43  
<211> 950  
<212> DNA  
<213> Homo sapiens

<400> 43	60
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tttccaattt gctgcttcct gaaacctagg aagaattgaa aattgtctag agaataagca	180
tgccagattt gttaaatcag cgaccttatt ttatatatat ttcttaagtca tggccatggg	240
catagaagct tctttttaa ttaagaagga aaaataaaaa tatgtaaaaa gaaagccata	

aaggtcattt tacacacatg taactccatg cacgaatgcc	agtccttccc	cttgtgtgt	300
cacccatcact tagttctact actatccctc	aaaacccaag	tgcataattt	360
tttccccatt attctcattt taattttctt	tctctgaaca	actatgacat	420
cttaatcatg aattatggca tacaactccc	taattgatgt	ttgtggggtt	480
cagctagatt ttaatttcct tgaagacaga	agccatgct	ttactgtgt	540
tctcccgtag ctcctgacac	agtgcctgt	gtatagaggg	600
tgttcttac accaaatgcc	cagggaaatc	ttacatagag	660
gatatgctag attctccagc	tgccaaagac	tggatgtca	720
tctctaggc	cctcattttg	ttcttggtga	780
aaaaggcaga aagcaagtgt	agtatcatct	tgccatctag	840
cctaaatttag gtaatcttcc	cttcacatct	cagagtttc	900
cgaacaacaa	caacaacaa	aaaaaaaata	950

<210> 44  
<211> 1004  
<212> DNA  
<213> Homo sapiens

<400> 44					
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aatgttataa	agacagttgt	ccagttcat	gaatcttgc	ggttttgtt	180
tttgctttt	atgttgcgtt	tttgctgtt	gtttccaaa	ttcagtattt	240
tgcgtcccc	gaagagatga	ttggacactc	tccagcgtgg	tggtggactt	300
tgcacagcca	tctccagacc	tttagtgc	cctcacgtt	tgcacatctc	360
acaaaamccaa	aataatccaa	atttgacaca	aatacctggg	atacatctt	420
ttaacaaatg	tctggatcat	ctttcttac	attggattt	aacgcaggaa	480
gtaagtaaaag	ttggaattcc	caagtcmaag	accatttggaa	tatttacaag	540
gcaggaataa	tacagggtgg	ccgcagggtt	acaaattcta	ggcagcagat	600
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<210> 45  
<211> 1681  
<212> DNA  
<213> Homo sapiens

<400> 45					
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cacaaaaagt	atgatggta	atgatttgc	ccacactcg	ttcttgcac	120
tgttagcatca	ggggatgga	ttttgtggcc	actgaggaga	ttgggtgggt	180
taaggatmca	aataaaaatg	gmacsytgt	gcattgctt	gtcattacca	240
agtttccamc	aagaagattt	ggctctctt	tcctcacact	tgtccatcaa	300
gttttgcatt	ccactgtat	taaacttagt	tcttctaaac	acaaaatctt	360
cagtagcgct	ttgcagctga	aatcttttct	attagaata	tcccacctt	420
attttgc	agctaaatgc	ctcctactaa	tctctgcgt	cctgcgggaa	480
ctaccacatt	ggcttaccagg	gctgttagg	ggattgtctc	aaaatctt	540
caraaaggga	ggcgggaaara	gaaaraaaat	agtttatgcc	ctgaggctca	600
atggccaatc	tgtgcttaggt	ttgctggtca	gaaagttagga	tgatatgagc	660
gagaaatata	gggtacagtt	tctaccctga	ggggctgtat	tttagttggg	720
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agttcagaga	ggagaaggaa	aaagactcca	tggaaatgat	ggaaattgaa	ccaggcctgg	840
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ttccaagt	tttcttgg	acagactctt	tcctcttcc	ctccctctag	aaatattggc	960
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ttttagaata	atccattcc	cttgattctt	tagtatttac	aattttcta	agtaccgatt	1140
atatttcttca	agtcaaagt	gggtaaaatt	agtgcattgt	atctgttgt	tgccgccttc	1200
tggagtagtc	agtcttacat	atttgaacaa	taccacccctg	gtgtat	aaaaagtaag	1260
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agaaatagta	actctcctca	gtgttcccc	gctaagtaag	actatgcatt	taccatacag	1620
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a						1681

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<210> 46  
<211> 1361.  
<212> DNA  
<213> Homo sapiens
```

<400> 46						
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tcaagtcttt	tgctcataga	cttttctgtg	gggttattaa	aatgcaaaag	cttttatttt	180
ttaataatgc	catactccat	tagtgtcaga	tgatggtag	gaatttgttc	ccttgcttcc	240
ccccactgtt	actgcttcag	tttatacgatt	gccagcagag	ttcagaaata	gagcaggat	300
ttacccgttc	tttgcttgg	catcccattt	tcttttgcc	agacccatgt	tggcaatcat	360
gtatgaactg	tgttatactt	tcagtgctt	ctttttctt	tttgataaga	tggatatcaa	420
aaatagggtgc	tgtgcaaaag	tttagtctt	cttcaagaag	aaaacccaatt	ctttttctaa	480
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gctgctgctt	ttatctagta	attttgatat	gtaagtatta	atgcattttt	aaaagatgtc	600
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gtaggccaaa	tgtgattata	aatgaagttg	atgaacatta	attttgttat	tagtgagttt	780
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gtatggaa	acttaagatg	aactacattt	cttgcaaaagt	acattccctt	ctgtggatt	1260
ttgtccgtt	actgaagtat	agtaattatt	ttatggaaat	gttagcaatt	ctgtaccaac	1320
tttgaataaa	atgaaaaatt	tataaaaaaa	aaaaaaaaaa	a		1361

<210> 47  
<211> 1137  
<212> DNA  
<213> *Homo sapiens*

<400> 47 gggcttttg tcaacctgaa gcacgttcta agtcgatgg agaaagtgg caccccccaga 60  
agacactttt gcccagaaaat ctctttcttc ctgacccttc ttccccagag tgccccggaat 120  
tccactqtca qaaatgcatt gtctgggtta aaaaacttaa caccgtctat gatttcaaca 180

gtgtcaaaac aggatacgtc aaaactgggc gaggagggaa tgtatttggg ttctaggata	240
gtgaaagctc tatttttct acttttctgt attttccata tttggcacaa tgacacgt	300
ccttagaacgg ttttagatcc acgaaaatat gcaaacacag tacagatagt tcttcgtcc	360
cccatgccta gttccttat tgctaaccgtc tcaacgttag tttgggtcgat ttgttgcata	420
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&lt;210&gt; 48

&lt;211&gt; 2763

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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cg			2763

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<211> 1348  
<212> DNA  
<213> Homo sapiens

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<210> 50  
<211> 1264  
<212> DNA  
<213> Homo sapiens

<400> 50			
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<210> 51  
<211> 1660  
<212> DNA  
<213> Homo sapiens

<400> 51						
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<210> 52  
<211> 1678  
<212> DNA  
<213> Homo sapiens

<210> 53  
<211> 1860  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> SITE  
<222> (912)  
<223> n equals a,t,g, or c

<400> 53						
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<210> 54  
<211> 1663  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (975)  
<223> n equals a,t,g, or c

<400> 54						
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<210> 55  
<211> 1632  
<212> DNA  
<213> Homo sapiens

<400> 55

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<210> 56  
<211> 2233  
<212> DNA  
<213> Homo sapiens

<400> 56

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<210> 57  
 <211> 1963  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (1540)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> SITE  
 <222> (1935)  
 <223> n equals a,t,g, or c

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gaaaaataaa	aatcagctgt	tgtaatcacc	tagaaaaaaaaa	aaaaaaaaaa	aaaaccggca	1920
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<210> 58  
<211> 1267  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1248)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1255)  
<223> n equals a,t,g, or c

<400> 58						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaackc	gcggccgnaa	gcttnnnncc	1260
ctttagt						1267

<210> 59  
<211> 1295  
<212> DNA  
<213> Homo sapiens

<400> 59

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<210> 60  
<211> 915  
<212> DNA  
<213> Homo sapiens

<400> 60

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caatgtggc	ctgctgggg	atgcttggtt	gtattccgtt	gtttgttccc	180
tcttggcaaa	gcatttctct	ggatgtcyct	atttatgtgg	caggtmaccc	240
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ggtc当地att	kgygacttga	taatgwcc	cgc当地tttac	ctggcc当地acc	360
ctaccgcgtg	ctcacctgta	tcagctgccc	cctgtcggt	agagagtggt	420
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gaggc当地ggc	gatcacgagg	tcaggagttc	gagaccacgg	tgaaaccccg	720
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aaaaaggc当地c	gccgc				915

<210> 61  
<211> 1445  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1047)  
<223> n equals a,t,g, or c

<400> 61

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agtagtgtt ttatttctgt gcttctccct cctaaca	tgaaaacctt ttagaacc	180
gtcagagagg tctttatcccatacatccct gtgatgtcta	atttatttgg atttacagat	240
aatatgtatcg taaaactttag aaacagca	ccagttata gctctgtgct gttagacttac	300
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gatgaccaga cagacactgt atccagagat gctgtctgc	cagccccggaa tagtaaacc	480
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ctcga		1445

<210> 62  
<211> 1100  
<212> DNA  
<213> Homo sapiens

<400> 62

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<210> 63  
<211> 1499  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (52)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (66)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (84)  
<223> n equals a,t,g, or c

<400> 63		
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cgaccattgg ccgtgagggt ctggactgtc cagtatttgc tcaaggatat caagggttat	1260	
tggaaactgt gtgatcaaag gggctccatg actttatgc gggattcagt agggagccaa	1320	
gaagggtttagt aatagttcag agaccagagt ctaagaccaa tcaagaagaa tggatcaatt	1380	
agagatatga attctggtgc ttatattttt gtggagctgg ttgtgagata aaaggtcaag	1440	
cctaccagac tgaaaagtgt atgtgaaagc tctttaaaaaa aaaaaaaaaa aaactcgag	1499	

<210> 64  
<211> 655  
<212> DNA  
<213> Homo sapiens

<400> 64  
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gtggttgccc atgttaagaa gagaaacacg ctgaatgctg gccaggatgc ctctgagaga	180
gaagaggac agatccagat tatggagct gtccaggtca ctgttagtga ctcgtaata	240
atattccac cccctccacc accttactt cctgaatctt cagcttgc ggtcgctgag	300
agtccctggaa ctaacagtct gcttccgaat gaaaaccccc cttcatatta cagtatttc	360
aactatggaa ccccaacttc agagggtgca gcctctgaaa gagactgtga atctatata	420
accatttctg ggacgaattc atcttctgag gcctcacaca ctccacatct tccatctgaa	480
ttgcctcta gatataaga aaaagaaaaat gctgcagcta cattcttgcc tctatcttct	540
gagcctccc caccgtaaac tatggactct agttcagtt tatatgcaat ggatcaactac	600
tccatcaatt tcttcaaaca aaaaaacaac agaaaaaaaaaaaaaaa aaaaaaaa	655

&lt;210&gt; 65

&lt;211&gt; 1450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 65	
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ccacctcagcc ctgtggctgg gggcagagct cagactgtct tctgaagatt gatgtctatt	180
tccttgagct cttaattttt gttgccaatt tggataaaca tggcacaat ccagcaggga	240
ggtccagatg aaaaagaaaa gactaccgca ctgaaaagatt tattatcttag gatagatttg	300
gatgaactaa tgaaaaaaa tgaaccgcct cttgattttc ctgataccct ggaaggattt	360
gaatatgctt ttaatgaaaa gggacagatgta agacacataa aaactgggaa accattttgtt	420
tttaactacc gggaaagattt acacagatgg aaccagaaaa gatacgaggc tctaggagag	480
atcatcacga agtatgtata tgagctctg gaaaaggattt gtaatttgaa aaaaagtatct	540
attccagtag atgcccactga gagtgaacca aagagttt tctttatgag tgaggatgt	600
ttgacaaatc cacagaaact gatggtttta attcatggta gtgggttgt cagggcagggg	660
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gctgagaatg tggggatcg tgcacacgc tatggaggac ttggctttgt tgaactgcaa	1080
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aaccattgac tgtatacaac caacaagtgt atggtgcaac aggagatcca ttgaaaaccg	1200
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tcttccctt aaatttatac ataatcagct tcttgatgg acccaaattt gagaatgtatc	1380
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aaaaaaaaaaa	1450

&lt;210&gt; 66

&lt;211&gt; 670

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 66	
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ttttgcacaa atgactctt tatatttaat tcgatttcat tgcctccctt cttaaaggca	120
acaggcttag tttacaaacc tggagactac tggggctgc tggccctccctt cccagtggaaa	180
ggtacaaagc aataagcatc atgcattctc cccttacccc tccaaacaccc ctctgcctct	240
ggctcagggtt gctcaaagca cagatctctt ctacccccgt ccccagggttt gaaacacata	300
gcctcatttc aagggttagc caggtcccc cgacttccct ctgggatata aaaaagggggg	360
taagggggca aagagagccc tctgggcctc tcctccatac cacactacac tggcccttct	420

ccccccatca aaacgctcag agacgttgc atgatgcac tgaggattat gcaacgtgg	480
ccaaccggag cggccagcat gaccagctgt ccaggggctg cctcctgcct tttctttgt	540
aaagacaaga cccttggag ttttaattct gttttgtact tgccctgtgg ggcctccact	600
gctttctat gggagacact cttaatttaa cagatgagaa tatttgaaa aaaaaaaaaaa	660
aaaaaaaaaaaa	670

<210> 67  
<211> 1692  
<212> DNA  
<213> Homo sapiens

<400> 67	
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aagtcatctt gaaagaagtt tcaacatgg ctttttcattt ctgagattac agttttctat	180
aaacatctaa gagtgaagag tctgacgtt tttgttcaca gctgagccac tgcgtgaccc	240
ccgccccgcc ccacactcac tttgtcttag gcaaagctgt actctgaaag ctggcccaa	300
tggggaggtt aggactgtgc ctgctcagaa gtcgtgggt gcctcagaga agggcaacaa	360
cccttaggctg gaccctagcc ttgagagttc ttctactgc cagagccsc agatyyctc	420
cggtgtgcagc agatactgcc agaagagct gcggtgcaca caccagaatc cgggtacttg	480
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agtcccgccc ccattatgtt gatagggaaa cagaggcaa gaagtttagga aactcgccca	600
gaactctcag ctcataataa aaaaagcaga actaaaaccc agtgctctcc ctggctggc	660
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cagcgtgggtt agcactgttc gcctcaaggg cagctgtgag gattacttgg gattgtcctg	780
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aattcaaaact ttctggaggg cagctggtca agaaaacttat tcacgtcagg agttttctaa	1560
aatttgtttt taatgcttat tggtaacttgc catttagaaag taactacaaa tgtcttatta	1620
aagtttccac tttaaatgcg aaaaaaaaaaaa aaaaaaaatga ccctcgaggg gggggcccggt	1680
acccaattcg cc	1692

<210> 68  
<211> 655  
<212> DNA  
<213> Homo sapiens

<400> 68	
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gatgctaagc agtcccttctt ttgatattta atacccatgg acataaaactt ctgcctttaga	180
ggtcggccatg gagtttgggtt ttggtttgtt ttggtttgtt tttggccatct gttaacagtc	240
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tcaaaaacttgc cattkgtctc tttttgttc agtgggtgtt gcatccacat ttcgtttctt	360
ttttaaacaa ccctgcttat gtaacatcca cattttctga cttaccttcc aaacctgcca	420
gaaagcagaa gtatattta awacacttgg tatgttttat atatwgattc taatgataat	480

gtttrgtcta agatggacct gacaaggcca ggcatrgtgg ttcaacagca ctttgagagg	540
ctgaggcagg atgattgcct gaggctggga gttcaagggtt acagtgaact gtgatcacat	600
cctgccttct agcctgggtg acagagcaag accctgtctc aaaaaaaaaaaa aaaaaa	655

<210> 69  
<211> 1618  
<212> DNA  
<213> Homo sapiens

<400> 69	
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taacatgcag tcatcatcaa aactgtattt caatgtttag aagagttcc tattgacaaa	180
ataaaataaaaa tgtttctgct ttatgattaa ataaatccat cattgtttat gcatgattaa	240
gttgcaaaaaa gtttcagagg ttataaagggt tttaaagatg cttctatatc ctttggttt	300
gttcttatct ttgaaattgg atacaaaaggc cacaatctt gctgtgtgg aagatgtata	360
ggaatagaaa catgaaacccc acaaacataa aggtttacct tgaagtggta gacttttaa	420
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tctgtgcctc ggctttact ctttactat ctaaatttata tattcaggca gggtgattct	720
tgatttggag acaaagagag agcacataga ccaaggtgtt ttggaaacag tcggccctcc	780
ctatctgcag gttccacatc tgtagctctt accaactgca gatcaaaaat actgggaaga	840
agtatataaa aacaaaataa tacaataaag aaacaacaca gtataacaat gatttacata	900
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aactttttagg ttcccaaaaa cttacctatt atccaattgt tgacaggaag ccttactgat	1080
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ttagctgtaa acaggaggc gtgtataagtt tataatgc AAA tattaaacca ctttatatga	1560
gggacttggg catccatgaa ttttggcatt tagagttcc tggaaaccaat ccctcgag	1618

<210> 70  
<211> 1802  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1790)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1792)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1801)

<223> n equals a,t,g, or c

<400> 70		
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acagaataac aactaaACCC tctgtcaacg tgggtatgta ttttttact ttcttatttt	180	
caatttagtc ttttatgTTT tttcttctag tcattgttaa agctaccaat ggaccaagat	240	
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aaagcagttt catgtaaGTC attgtctcyA attcttgagg cwagcaggTG gacGATTAT	360	
gcccatTAact cacaaggatG atttggTCAG acatAGCTAG ttattaacAA agcCTGAATT	420	
caamccatgg gcttGactC ctggcattCC gtactttCTA ctgttattaca ttgtctcAGT	480	
cagatCTGTT aatAGCCACT tagaaaATAA agtattttAG aactggAAA cagacATTtT	540	
atTTTaatGT cattttAAAG gaggacttaa aagtgttAga tatcatcAGT tacctgtgtt	600	
tatatttaga cattcagaAC tgTTacttAT ggactgtacc atggcctaAG ttaattttgt	660	
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aatttaatCC aggaactata aatCTCCTAT taggattttG cctagtataat aagcGGTGA	960	
cattttCTAA gtcaAAATAT tagataccta aactgacaAG ggattttCAT gtccCTTCA	1020	
gggctCTGTG gatGCCGAAA gttggcATTt ctaagatatt tcaggTTGCA tgaggacaAG	1080	
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tcccagcact ttgggaggCT gaggtgggca gatcacgagg tcaggagATC aagaccAGCC	1680	
tgaccaacat ggtgaaACCC cgtctttact aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaa	1740	
aaaaaaaaaaa aaactcgagg gggggccccgt acccaattcg ccctatagtn antatagtGA	1800	
nt	1802	

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<210> 71  
<211> 1292  
<212> DNA  
<213> Homo sapiens
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<400> 71	
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ctttctttg agtttttgc tcttgggtt aagctttgg agtttgggg tttataacttt	180
tcatcagatt tggAACatct ttggctatta tttctccaaa tagtcacaca tcgctccctcg	240
gattccagtt acatataatat tatttaggttc ttGAAGTGT cccatacacctt actgatgctc	300
tgctctttt ctgggtctt atattgggt ttcatTTGGA tagtttttat ttctgtgtct	360
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caacttttag ttctctgtcc aaaacctaca tatgttttt ttatATGATTt attctacatt	660
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gaatgggtgc tctgtttggc agactgcaga caaatattta tctatgattc gttgcATGAT	780
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tcagtgtccaaq ctgggcatqq tcactqqtat tacctccatg tgatcacttt ttgttcacta	960

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ggtgaaaccc		agtctctact	gaaaatacaa	aaatttagcct	ggcatggtgg	1140
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tgcagtgagc		caagattgca	ccattgca	ccagcctggg	caacaagagc	1260
ctcaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			1292

<210> 72  
<211> 883  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (8)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (28)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (30)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (47)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (873)  
<223> n equals a,t,g, or c

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ctggcactca	ctctccctt	ttgggcagcc	gagtcggcac	tggacttca	ctggcccttc	240
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gtcttccctg	tcaactacttg	cttggcacac	agcaatagct	gtctcaaccc	tattgcctat	840
gtcttaagcc	gaattccagc	acactggcgg	ccgttactag	tggatccgag	ctcggtacca	883
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<210> 73  
<211> 785

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (716)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (731)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (772)  
 <223> n equals a,t,g, or c

<400> 73

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ccatgtgcat	ctgataagga	tgtatgttct	gctttcctg	ggtaaagtgt	tataaattca	120
aattgttgat	aatgttcagg	tcatctatat	cctaatttgtt	tttctccctg	attcttttat	180
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<210> 74  
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<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2243)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2309)

<223> n equals a,t,g, or c

<400> 74

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<210> 75

<211> 1882

<212> DNA

<213> Homo sapiens

<220>  
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 <223> n equals a,t,g, or c

<220>  
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 <222> (1237)  
 <223> n equals a,t,g, or c

<220>  
 <221> SITE  
 <222> (1866)  
 <223> n equals a,t,g, or c

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<210> 76  
 <211> 2892  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> SITE  
<222> (858)  
<223> n equals a,t,g, or c

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<210> 77

<211> 1673

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 77

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&lt;210&gt; 78

&lt;211&gt; 1461

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 78

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<210> 79  
<211> 1517  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (1145)  
<223> n equals a,t,g, or c

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<210> 80  
<211> 574  
<212> DNA  
<213> Homo sapiens

<400> 80	
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<222> (1409)	
<223> n equals a,t,g, or c	
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<210> 82  
<211> 1640  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (687)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
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<223> n equals a,t,g, or c

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<210> 83  
<211> 525  
<212> DNA  
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 tccctgttgtt ttggggagcc tggaaagggtgg ttatgcctt tggatgcagg agaggagcaa 360  
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 caagatataa atgccagtca tttattaaaa aaaaaaaaaa aaaaa 525

<210> 84  
<211> 837  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (717)  
<223> n equals a,t,g, or c

<400> 84  
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<210> 85  
<211> 1574  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

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<210> 86  
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<212> DNA  
<213> Homo sapiens

<400> 86						
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<210> 87  
<211> 1795  
<212> DNA  
<213> *Homo sapiens*

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<210> 88  
<211> 1864  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> SITE  
<222> (1844)  
<223> n equals a,t,g, or c

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&lt;210&gt; 89

&lt;211&gt; 1983

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 89						
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cg	1983

<210> 90  
<211> 1957  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (349)  
<223> n equals a,t,g, or c

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gttaccacact cttgtgttcc ctgctactcg ggaggctgaa gcatgaggat cacttgcatt	1920
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<210> 91  
<211> 573  
<212> DNA  
<213> *Homo sapiens*

<400> 91  
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ccggccctt gtttgacttg cgtcgtctga tactcagat tgttagcttt tgtccgcatt 180  
ttactccctg taaatacgtt gttatacata ctgttaacac ccctttgctt tttctatggg 240  
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 573

<210> 92  
<211> 1212  
<212> DNA  
<213> *Homo sapiens*

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ttttttcact	tgttaggcttc	tgttaattaa	tcaatatgg	acttattaag	cactgagtca	480
aatgtctaac	actgtactgt	atccttatgag	aatgaaata	gaagcagatt	gaagacatac	540
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aaaataggt	caggccagg	gtagtggctc	acacactgtaa	tcccagca	tggggaaagcc	960
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aaaaaaaaaa	aa					1212

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<211> 1144  
<212> DNA  
<213> Homo sapiens
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<220>
<221> SITE
<222> (849)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (865)  
<223> n equals a,t,g, or c

<220>  
<221> SITE  
<222> (1087)  
<223> n equals a,t,g, or c

<400> 93

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ggtctttcta	gagaaaaata	cagtaataat	ggatgcacag	aaggccatgt	gtttgtttt	360
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ttggagcttg	tttttagatta	atackttaca	gagtagttt	acatgaataa	gcttaaacat	660
tttcccccg	tttttagttct	ctggcttacc	agaaaaatga	aaaacaacaa	caacaaaatc	720
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cgag						1144

<210> 94  
<211> 1274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (722)  
<223> n equals a,t,g, or c

<400> 94

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<210> 95  
<211> 1780  
<212> DNA  
<213> Homo sapiens

<400> 95	
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tagaaggCCTG actacttggT gctaactact aaagattttg gcagaatcaa tggggattt	180
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gatggCTGGA gtgggtatTT gaaggCTTT ctgtcacCTG ttcaGTTGG tctgCCCCAC	840
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<210> 96  
<211> 1794  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (457)  
<223> n equals a,t,g, or c

&lt;400&gt; 96

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&lt;210&gt; 97

&lt;211&gt; 2065

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 97

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aaatattttt	ttaagggttat	gtgttctta	attatggtca	aatataattt	ggtcaccaaa	180
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<222> (117)  
<223> n equals a,t,g, or c

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<211> 1756  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens
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1416

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<211> 704  
<212> DNA  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (287)  
<223> n equals a,t,g, or c

<400> 103

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<212> DNA  
<213> Homo sapiens

<400> 104

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&lt;210&gt; 105

&lt;211&gt; 1804

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 105

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&lt;210&gt; 106

&lt;211&gt; 971

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 106

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<400> 107

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<212> DNA  
<213> Homo sapiens

<220>  
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<222> (252)  
<223> n equals a,t,g, or c

<220>  
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<223> n equals a,t,g, or c

<400> 108

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<211> 1779  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

<400> 110

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<211> 1957  
<212> DNA  
<213> Homo sapiens
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aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa	1957

<210> 112  
<211> 1135  
<212> DNA  
<213> Homo sapiens

<400> 112	
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

<400> 114

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<212> DNA  
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<223> n equals a,t,g, or c

<400> 115

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<210> 116  
<211> 1054  
<212> DNA  
<213> Homo sapiens
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<210> 117  
<211> 921  
<212> DNA  
<213> Homo sapiens
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atccctgttgt	atgtttccg	tctggccggg	atgactggag	gcaccgcggg	cgatggacgt			480
ccatgtccccg	gctccctgtgc	tggaaagcgt	tgatggggag	cgtccgcgt	gaccacacgc			540
gggagctgcg	gaagcccacgc	ggttcacaca	ggcctccctt	caacgtagtc	atcccctgtt			600
gggtggaaagca	agacgacggc	ccctgacgtg	cagccacaca	cagaaaaggc	tgctgtgaac			660
attttatgtct	tcgacttttt	ttttcttcag	agacagggtg	tcgttctgtc	gcccaggctg			720
gagtgcaactg	ccaccatcat	agctcaactgc	agcctccacc	tcctaggctc	aagcttcccta			780
agtaqattqqq	actcaaqqct	tqaqtcaacca	tqccaqqctc	tqtttttca	qtctgtqaaa			840



<210> 119  
<211> 41  
<212> PRT  
<213> Homo sapiens

<400> 119  
Met Lys Arg Arg Glu Met Thr Gln Phe Leu Leu Ser Leu Val Ala Leu  
1 5 10 15  
Asn Cys Cys Ser Ile Ser Leu Gly Arg Leu Thr Tyr Pro Gly Gly Phe  
20 25 30  
His Leu Lys Leu Asp Pro Leu Glu Leu  
35 40

<210> 120  
<211> 526  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (466)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 120  
Met Ala Ala Leu Thr Ile Ala Thr Gly Thr Gly Asn Trp Phe Ser Ala  
1 5 10 15  
Leu Ala Leu Gly Val Thr Leu Leu Lys Cys Leu Leu Ile Pro Thr Tyr  
20 25 30  
His Ser Thr Asp Phe Glu Val His Arg Asn Trp Leu Ala Ile Thr His  
35 40 45  
Ser Leu Pro Ile Ser Gln Trp Tyr Tyr Glu Ala Thr Ser Glu Trp Thr  
50 55 60  
Leu Asp Tyr Pro Pro Phe Phe Ala Trp Phe Glu Tyr Ile Leu Ser His  
65 70 75 80  
Val Ala Lys Tyr Phe Asp Gln Glu Met Leu Asn Val His Asn Leu Asn  
85 90 95  
Tyr Ser Ser Ser Arg Thr Leu Leu Phe Gln Arg Phe Ser Val Ile Phe  
100 105 110  
Met Asp Val Leu Phe Val Tyr Ala Val Arg Glu Cys Cys Lys Cys Ile  
115 120 125  
Asp Gly Lys Lys Val Gly Lys Glu Leu Thr Glu Lys Pro Lys Phe Ile  
130 135 140  
Leu Ser Val Leu Leu Leu Trp Asn Phe Gly Leu Leu Ile Val Asp His  
145 150 155 160

Ile His Phe Gln Tyr Asn Gly Phe Leu Phe Gly Leu Met Leu Leu Ser  
 165 170 175

Ile Ala Arg Leu Phe Gln Lys Arg His Met Glu Gly Ala Phe Leu Phe  
 180 185 190

Ala Val Leu Leu His Phe Lys His Ile Tyr Leu Tyr Val Ala Pro Ala  
 195 200 205

Tyr Gly Val Tyr Leu Leu Arg Ser Tyr Cys Phe Thr Ala Asn Lys Pro  
 210 215 220

Asp Gly Ser Ile Arg Trp Lys Ser Phe Ser Phe Val Arg Val Ile Ser  
 225 230 235 240

Leu Gly Leu Val Val Phe Leu Val Ser Ala Leu Ser Leu Gly Pro Phe  
 245 250 255

Leu Ala Leu Asn Gln Leu Pro Gln Val Phe Ser Arg Leu Phe Pro Phe  
 260 265 270

Lys Arg Gly Leu Cys His Ala Tyr Trp Ala Pro Asn Phe Trp Ala Leu  
 275 280 285

Tyr Asn Ala Leu Asp Lys Val Leu Ser Val Ile Gly Leu Lys Leu Lys  
 290 295 300

Phe Leu Asp Pro Asn Asn Ile Pro Lys Ala Ser Met Thr Ser Gly Leu  
 305 310 315 320

Val Gln Gln Phe Gln His Thr Val Leu Pro Ser Val Thr Pro Leu Ala  
 325 330 335

Thr Leu Ile Cys Thr Leu Ile Ala Ile Leu Pro Ser Ile Phe Cys Leu  
 340 345 350

Trp Phe Lys Pro Gln Gly Pro Arg Gly Phe Leu Arg Cys Leu Thr Leu  
 355 360 365

Cys Ala Leu Ser Ser Phe Met Phe Gly Trp His Val His Glu Lys Ala  
 370 375 380

Ile Leu Leu Ala Ile Leu Pro Met Ser Leu Leu Ser Val Gly Lys Ala  
 385 390 395 400

Gly Asp Ala Ser Ile Phe Leu Ile Leu Thr Thr Thr Gly His Tyr Ser  
 405 410 415

Leu Phe Pro Leu Leu Phe Thr Ala Pro Glu Leu Pro Ile Lys Ile Leu  
 420 425 430

Leu Met Leu Leu Phe Thr Ile Tyr Ser Ile Ser Ser Leu Lys Thr Leu  
 435 440 445

Phe Arg Lys Glu Lys Pro Leu Phe Asn Trp Met Glu Thr Phe Tyr Leu  
 450 455 460

Leu Xaa Leu Gly Pro Leu Glu Val Cys Cys Glu Phe Val Phe Pro Phe

465                    470                    475                    480

Thr Ser Trp Lys Val Lys Tyr Pro Phe Ile Pro Leu Leu Leu Thr Ser  
                         485                    490                    495

Val Tyr Cys Ala Val Gly Ile Thr Tyr Ala Trp Phe Lys Leu Tyr Val  
                         500                    505                    510

Ser Val Leu Ile Asp Ser Ala Ile Gly Lys Thr Lys Lys Gln  
                         515                    520                    525

<210> 121  
<211> 354  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (98)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (100)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (109)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (123)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (129)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (131)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (159)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (169)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE  
<222> (171)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (172)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (175)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (183)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (188)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (189)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (225)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (229)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (231)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 121  
Met Glu Asp Gly Val Leu Lys Glu Gly Phe Leu Val Lys Arg Gly His  
1 5 10 15

Ile Val His Asn Trp Lys Ala Arg Trp Phe Ile Leu Arg Gln Asn Thr  
20 25 30

Leu Val Tyr Tyr Lys Leu Glu Gly Arg Arg Val Thr Pro Pro Lys  
35 40 45

Gly Arg Ile Leu Leu Asp Gly Cys Thr Ile Thr Cys Pro Cys Leu Glu  
50 55 60

Tyr Glu Asn Arg Pro Leu Leu Ile Lys Leu Lys Thr Gln Thr Ser Thr

65	70	75	80												
Glu	Tyr	Phe	Leu	Glu	Ala	Cys	Ser	Arg	Glu	Glu	Ala	Gly	Cys	Leu	Gly
				85					90					95	
Leu	Xaa	Arg	Xaa	Pro	Gly	Leu	Phe	Met	Gln	Gly	Ser	Xaa	Gly	Lys	Val
				100				105					110		
Gln	Gln	Leu	His	Ser	Leu	Arg	Asn	Ser	Phe	Xaa	Leu	Pro	Pro	His	Ile
				115				120				125			
Xaa	Leu	Xaa	Arg	Ile	Val	Asp	Lys	Met	His	Asp	Ser	Asn	Thr	Gly	Ile
				130			135				140				
Arg	Ser	Ser	Pro	Asn	Met	Glu	Gln	Arg	Ser	Thr	Tyr	Lys	Lys	Xaa	Phe
	145				150				155				160		
Leu	Gly	Ser	Ser	Leu	Val	Asp	Trp	Xaa	Ile	Xaa	Xaa	Ser	Phe	Xaa	Gly
				165				170				175			
Ser	Arg	Leu	Glu	Ala	Val	Xaa	Leu	Ala	Ser	Met	Xaa	Xaa	Glu	Glu	Asn
				180				185				190			
Phe	Leu	Arg	Ser	Val	Ala	Val	Arg	Cys	Met	Gly	Gly	Ile	Arg	Ser	Gly
				195				200			205				
Asp	Leu	Ala	Glu	Gln	Phe	Leu	Asp	Asp	Ser	Thr	Ala	Leu	Tyr	Thr	Phe
	210				215				220						
Xaa	Glu	Ser	Tyr	Xaa	Lys	Xaa	Ile	Ser	Pro	Lys	Glu	Glu	Ile	Ser	Leu
	225				230				235				240		
Ser	Thr	Val	Glu	Leu	Ser	Gly	Thr	Val	Val	Lys	Gln	Gly	Tyr	Leu	Ala
				245				250				255			
Lys	Gln	Gly	His	Lys	Arg	Lys	Asn	Trp	Lys	Val	Arg	Arg	Phe	Val	Leu
				260				265			270				
Arg	Lys	Asp	Pro	Ala	Phe	Leu	His	Tyr	Tyr	Asp	Pro	Ser	Lys	Glu	Glu
				275				280			285				
Asn	Arg	Pro	Val	Gly	Gly	Phe	Ser	Leu	Arg	Gly	Ser	Leu	Val	Ser	Ala
				290				295			300				
Leu	Glu	Asp	Asn	Gly	Val	Pro	Thr	Gly	Val	Lys	Gly	Asn	Val	Gln	Gly
				305				310			315			320	
Asn	Leu	Phe	Lys	Val	Ile	Thr	Lys	Asp	Asp	Thr	His	Tyr	Tyr	Ile	Gln
					325				330				335		
Ala	Ser	Ser	Lys	Ala	Glu	Arg	Ala	Glu	Trp	Ile	Glu	Ala	Ile	Lys	Lys
				340				345				350			
Leu	Thr														

<211> 63  
<212> PRT  
<213> Homo sapiens

<400> 122  
Met Trp Lys Arg Val Cys Val Cys Val Phe Leu Tyr Ile Ala Trp Val  
1 5 10 15  
Gln Leu Trp Met Cys Ala Lys Glu Cys Glu Cys Val Cys Val Cys Val  
20 25 30  
Lys Gly Ser Val Leu Glu Pro Thr Ser Val Cys Cys Glu Ser Gly Lys  
35 40 45  
Arg Val Gly Glu Gly Arg Glu Met Leu Thr Leu Val Gly Ala Gly  
50 55 60

<210> 123  
<211> 309  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (129)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (178)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (187)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (262)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (308)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 123  
Met Phe Thr Ile Lys Leu Leu Leu Phe Ile Val Pro Leu Val Ile Ser  
1 5 10 15

Ser Arg Ile Asp Gln Asp Asn Ser Ser Phe Asp Ser Leu Ser Pro Glu  
20 25 30

Pro Lys Ser Arg Phe Ala Met Leu Asp Asp Val Lys Ile Leu Ala Asn  
35 40 45

Gly Leu Leu Gln Leu Gly His Gly Leu Lys Asp Phe Val His Lys Thr  
       50                  55                  60

Lys Gly Gln Ile Asn Asp Ile Phe Gln Lys Leu Asn Ile Phe Asp Gln  
   65                  70                  75                  80

Ser Phe Tyr Asp Leu Ser Leu Gln Thr Ser Glu Ile Lys Glu Glu Glu  
   85                  90                  95

Lys Glu Leu Arg Arg Thr Thr Tyr Lys Leu Gln Val Lys Asn Glu Glu  
   100                  105                  110

Val Lys Asn Met Ser Leu Glu Leu Asn Ser Lys Leu Glu Ser Leu Leu  
   115                  120                  125

Xaa Glu Lys Ile Leu Leu Gln Gln Lys Val Lys Tyr Leu Glu Glu Gln  
   130                  135                  140

Leu Thr Asn Leu Ile Gln Asn Gln Pro Glu Thr Pro Glu His Pro Glu  
   145                  150                  155                  160

Val Thr Ser Leu Lys Thr Phe Val Glu Lys Gln Asp Asn Ser Ile Lys  
   165                  170                  175

Asp Xaa Leu Gln Thr Val Glu Asp Gln Tyr Xaa Gln Leu Asn Gln Gln  
   180                  185                  190

His Ser Gln Ile Lys Glu Ile Glu Asn Gln Leu Arg Arg Thr Ser Ile  
   195                  200                  205

Gln Glu Pro Thr Glu Ile Ser Leu Ser Ser Lys Pro Arg Ala Pro Arg  
   210                  215                  220

Thr Thr Pro Phe Leu Gln Leu Asn Glu Ile Arg Asn Val Lys His Asp  
   225                  230                  235                  240

Gly Ile Pro Ala Glu Cys Thr Thr Ile Tyr Asn Arg Gly Glu His Thr  
   245                  250                  255

Ser Gly Met Tyr Ala Xaa Arg Pro Ser Asn Ser Gln Val Phe His Val  
   260                  265                  270

Tyr Cys Asp Val Ile Ser Gly Ser Pro Trp Thr Leu Ile Gln His Arg  
   275                  280                  285

Ile Asp Gly Ser Gln Asn Phe Asn Glu Thr Trp Glu Asn Tyr Lys Tyr  
   290                  295                  300

Gly Phe Gly Xaa Ala  
   305

<210> 124  
 <211> 211  
 <212> PRT  
 <213> Homo sapiens

<220>

&lt;221&gt; SITE

&lt;222&gt; (99)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 124

Met Ala Asn Ala Gly Leu Gln Leu Leu Gly Phe Ile Leu Ala Phe Leu			
1	5	10	15

Gly Trp Ile Gly Ala Ile Val Ser Thr Ala Leu Pro Gln Trp Arg Ile		
20	25	30

Tyr Ser Tyr Ala Gly Asp Asn Ile Val Thr Ala Gln Ala Met Tyr Glu		
35	40	45

Gly Leu Trp Met Ser Cys Val Ser Gln Ser Thr Gly Gln Ile Gln Cys		
50	55	60

Lys Val Phe Asp Ser Leu Leu Asn Leu Ser Ser Thr Leu Gln Ala Thr			
65	70	75	80

Arg Ala Leu Met Val Val Gly Ile Leu Leu Gly Val Ile Ala Ile Phe		
85	90	95

Val Ala Xaa Val Gly Met Lys Cys Met Lys Cys Leu Glu Asp Asp Glu		
100	105	110

Val Gln Lys Met Arg Met Ala Val Ile Gly Gly Ala Ile Phe Leu Leu		
115	120	125

Ala Gly Leu Ala Ile Leu Val Ala Thr Ala Trp Tyr Gly Asn Arg Ile		
130	135	140

Val Gln Glu Phe Tyr Asp Pro Met Thr Pro Val Asn Ala Arg Tyr Glu			
145	150	155	160

Phe Gly Gln Ala Leu Phe Thr Gly Trp Ala Ala Ala Ser Leu Cys Leu		
165	170	175

Leu Gly Gly Ala Leu Leu Cys Cys Ser Cys Pro Arg Lys Thr Thr Ser		
180	185	190

Tyr Pro Thr Pro Arg Pro Tyr Pro Lys Pro Ala Pro Ser Ser Gly Lys		
195	200	205

Asp Tyr Val  
210

&lt;210&gt; 125

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 125

Met Ala Pro Leu Trp Thr Leu Arg Pro Val Leu Val Trp Thr Thr Pro			
1	5	10	15

Thr Ser Met Gly Glu Val Ser Pro Trp Leu Thr Ser Thr Val Met Ala

20

25

30

Lys Trp Thr Ser Ser Met Ala Thr Gly Met Ala Pro Thr Ala Ser Ile  
 35                    40                    45

Cys Arg  
 50

<210> 126  
 <211> 262  
 <212> PRT  
 <213> Homo sapiens

<400> 126  
 Met Leu Phe Ser Ala Leu Leu Leu Glu Val Ile Trp Ile Leu Ala Ala  
 1                5                    10                    15

Asp Gly Gly Gln His Trp Thr Tyr Glu Gly Pro His Gly Gln Asp His  
 20                25                    30

Trp Pro Ala Ser Tyr Pro Glu Cys Gly Asn Asn Ala Gln Ser Pro Ile  
 35                40                    45

Asp Ile Gln Thr Asp Ser Val Thr Phe Asp Pro Asp Leu Pro Ala Leu  
 50                55                    60

Gln Pro His Gly Tyr Asp Gln Pro Gly Thr Glu Pro Leu Asp Leu His  
 65                70                    75                    80

Asn Asn Gly His Thr Val Gln Leu Ser Leu Pro Ser Thr Leu Tyr Leu  
 85                90                    95

Gly Gly Leu Pro Arg Lys Tyr Val Ala Ala Gln Leu His Leu His Trp  
 100                105                    110

Gly Gln Lys Gly Ser Pro Gly Gly Ser Glu His Gln Ile Asn Ser Glu  
 115                120                    125

Ala Thr Phe Ala Glu Leu His Ile Val His Tyr Asp Ser Asp Ser Tyr  
 130                135                    140

Asp Ser Leu Ser Glu Ala Ala Glu Arg Pro Gln Gly Leu Ala Val Leu  
 145                150                    155                    160

Gly Ile Leu Ile Glu Leu Glu Lys Leu Gln Gly Thr Leu Phe Ser Thr  
 165                170                    175

Glu Glu Glu Pro Ser Lys Leu Leu Val Gln Asn Tyr Arg Ala Leu Gln  
 180                185                    190

Pro Leu Asn Gln Arg Met Val Phe Ala Ser Phe Ile Gln Ala Gly Ser  
 195                200                    205

Ser Tyr Thr Thr Gly Glu Met Leu Ser Leu Gly Val Gly Ile Leu Val  
 210                215                    220

Gly Cys Leu Cys Leu Leu Leu Ala Val Tyr Phe Ala Arg Lys Ile

225	230	235	240
Arg Lys Lys Arg Leu Glu Asn Arg Lys Ser Val Val Phe Thr Ser Ala			
245		250	255
Gln Ala Thr Thr Glu Ala			
260			
<210> 127			
<211> 270			
<212> PRT			
<213> Homo sapiens			
<220>			
<221> SITE			
<222> (27)			
<223> Xaa equals any of the naturally occurring L-amino acids			
<400> 127			
Met His Tyr Tyr Arg Tyr Ser Asn Ala Lys Val Ser Cys Trp Tyr Lys			
1	5	10	15
Tyr Leu Leu Phe Ser Tyr Asn Ile Ile Phe Xaa Leu Ala Gly Val Val			
20		25	30
Phe Leu Gly Val Gly Leu Trp Ala Trp Ser Glu Lys Gly Val Leu Ser			
35		40	45
Asp Leu Thr Lys Val Thr Arg Met His Gly Ile Asp Pro Val Val Leu			
50	55	60	
Val Leu Met Val Gly Val Val Met Phe Thr Leu Gly Phe Ala Gly Cys			
65	70	75	80
Val Gly Ala Leu Arg Glu Asn Ile Cys Leu Leu Asn Phe Phe Cys Gly			
85	90	95	
Thr Ile Val Leu Ile Phe Phe Leu Glu Leu Ala Val Ala Val Leu Ala			
100	105	110	
Phe Leu Phe Gln Asp Trp Val Arg Asp Arg Phe Arg Glu Phe Phe Glu			
115	120	125	
Ser Asn Ile Lys Ser Tyr Arg Asp Asp Ile Asp Leu Gln Asn Leu Ile			
130	135	140	
Asp Ser Leu Gln Lys Ala Asn Gln Cys Cys Gly Ala Tyr Gly Pro Glu			
145	150	155	160
Asp Trp Asp Leu Asn Val Tyr Phe Asn Cys Ser Gly Ala Ser Tyr Ser			
165	170	175	
Arg Glu Lys Cys Gly Val Pro Phe Ser Cys Cys Val Pro Asp Pro Ala			
180	185	190	
Gln Lys Val Val Asn Thr Gln Cys Gly Tyr Asp Val Arg Ile Gln Leu			
195	200	205	

Lys Ser Lys Trp Asp Glu Ser Ile Phe Thr Lys Gly Cys Ile Gln Ala  
 210                    215                    220

Leu Glu Ser Trp Leu Pro Arg Asn Ile Tyr Ile Val Ala Gly Val Phe  
 225                    230                    235                    240

Ile Ala Ile Ser Leu Leu Gln Ile Phe Gly Ile Phe Leu Ala Arg Thr  
 245                    250                    255

Leu Ile Ser Asp Ile Glu Ala Val Lys Ala Gly His His Phe  
 260                    265                    270

<210> 128

<211> 91

<212> PRT

<213> Homo sapiens

<400> 128

Met Leu Arg Cys Gly Gly Arg Gly Leu Leu Leu Gly Leu Ala Val Ala  
 1                    5                    10                    15

Ala Ala Ala Val Met Ala Ala Arg Leu Met Gly Trp Trp Gly Pro Arg  
 20                    25                    30

Ala Gly Phe Arg Leu Phe Ile Pro Glu Glu Leu Ser Arg Tyr Arg Gly  
 35                    40                    45

Gly Pro Gly Asp Pro Gly Leu Tyr Leu Ala Leu Leu Gly Arg Val Tyr  
 50                    55                    60

Asp Val Ser Ser Gly Arg Ser Thr Thr Ser Leu Gly Pro Thr Ile Ala  
 65                    70                    75                    80

Ala Ser Gln Ala Glu Thr His Pro Glu Leu Ser  
 85                    90

<210> 129

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 129

Met Leu Trp Leu Leu Phe Phe Leu Val Thr Ala Ile His Ala Glu Leu  
 1                    5                    10                    15

Cys Gln Pro Gly Ala Glu Asn Ala Phe Lys Val Arg Leu Ser Ile Arg  
 20                    25                    30

Thr Ala Leu Gly Asp Lys Ala Tyr Ala Trp Asp Thr Asn Glu Glu Tyr  
 35                    40                    45

Leu Phe Lys Ala Met Val Ala Phe Ser Met Arg Lys Val Pro Asn Arg  
       50                      55                      60

Glu Ala Thr Glu Ile Ser His Val Leu Leu Cys Asn Val Thr Gln Arg  
       65                      70                      75                      80

Val Ser Phe Trp Phe Val Val Thr Asp Pro Ser Lys Asn His Thr Leu  
       85                      90                      95

Pro Ala Val Glu Val Gln Ser Ala Ile Arg Met Asn Lys Asn Arg Ile  
       100                    105                      110

Asn Asn Ala Phe Phe Leu Asn Xaa Gln Thr Leu Glu Phe Leu Lys Ile  
       115                    120                      125

Pro Ser Thr Leu Ala Pro Pro Met Asp Pro Ser Val Pro Ile Trp Ile  
       130                    135                      140

Ile Ile Phe Gly Val Ile Phe Cys Ile Ile Ile Val Ala Ile Ala Leu  
       145                    150                      155                      160

Leu Ile Leu Ser Gly Ile Trp Gln Arg Arg Lys Asn Lys Glu Pro  
       165                    170                      175

Ser Glu Val Asp Asp Ala Glu Asp Lys Cys Glu Asn Met Ile Thr Ile  
       180                    185                      190

Glu Asn Gly Ile Pro Ser Asp Pro Leu Asp Met Lys Gly Gly His Ile  
       195                    200                      205

Asn Asp Ala Phe Met Thr Glu Asp Glu Arg Leu Thr Pro Leu  
       210                    215                      220

<210> 130

<211> 760

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (267)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (315)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (438)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 130

Met Ile Pro Asn Gln His Asn Ala Gly Ala Gly Ser His Gln Pro Ala  
       1                      5                      10                      15

Val Phe Arg Met Ala Val Leu Asp Thr Asp Leu Asp His Ile Leu Pro  
           20                     25                     30  
  
 Ser Ser Val Leu Pro Pro Phe Trp Ala Lys Leu Val Val Gly Ser Val  
           35                     40                     45  
  
 Ala Ile Val Cys Phe Ala Arg Ser Tyr Asp Gly Asp Phe Val Phe Asp  
       50                     55                     60  
  
 Asp Ser Glu Ala Ile Val Asn Asn Lys Asp Leu Gln Ala Glu Thr Pro  
       65                     70                     75                     80  
  
 Leu Gly Asp Leu Trp His His Asp Phe Trp Gly Ser Arg Leu Ser Ser  
       85                     90                     95  
  
 Asn Thr Ser His Lys Ser Tyr Arg Pro Leu Thr Val Leu Thr Phe Arg  
      100                     105                     110  
  
 Ile Asn Tyr Tyr Leu Ser Gly Gly Phe His Pro Val Gly Phe His Val  
      115                     120                     125  
  
 Val Asn Ile Leu Leu His Ser Gly Ile Ser Val Leu Met Val Asp Val  
      130                     135                     140  
  
 Phe Ser Val Leu Phe Gly Gly Leu Gln Tyr Thr Ser Lys Gly Arg Arg  
      145                     150                     155                     160  
  
 Leu His Leu Ala Pro Arg Ala Ser Leu Leu Ala Ala Leu Leu Phe Ala  
      165                     170                     175  
  
 Val His Pro Val His Thr Glu Cys Val Ala Gly Val Val Gly Arg Ala  
      180                     185                     190  
  
 Asp Leu Leu Cys Ala Leu Phe Phe Leu Leu Ser Phe Leu Gly Tyr Cys  
      195                     200                     205  
  
 Lys Ala Phe Arg Glu Ser Asn Lys Glu Gly Ala His Ser Ser Thr Phe  
      210                     215                     220  
  
 Trp Val Leu Leu Ser Ile Phe Leu Gly Ala Val Ala Met Leu Cys Lys  
      225                     230                     235                     240  
  
 Glu Gln Gly Ile Thr Val Leu Gly Leu Asn Ala Val Phe Asp Ile Leu  
      245                     250                     255  
  
 Val Ile Gly Lys Phe Asn Val Leu Glu Ile Xaa Gln Lys Val Leu His  
      260                     265                     270  
  
 Lys Asp Lys Ser Leu Glu Asn Leu Gly Met Leu Arg Asn Gly Gly Leu  
      275                     280                     285  
  
 Leu Phe Arg Met Thr Leu Leu Thr Ser Gly Gly Ala Gly Met Leu Tyr  
      290                     295                     300  
  
 Val Arg Trp Arg Ile Met Gly Thr Gly Pro Xaa Ala Phe Thr Glu Val  
      305                     310                     315                     320

Asp Asn Pro Ala Ser Phe Ala Asp Ser Met Leu Val Arg Ala Val Asn  
 325 330 335

Tyr Asn Tyr Tyr Tyr Ser Leu Asn Ala Trp Leu Leu Leu Cys Pro Trp  
 340 345 350

Trp Leu Cys Phe Asp Trp Ser Met Gly Cys Ile Pro Leu Ile Lys Ser  
 355 360 365

Ile Ser Asp Trp Arg Val Ile Ala Leu Ala Ala Leu Trp Phe Cys Leu  
 370 375 380

Ile Gly Leu Ile Cys Gln Ala Leu Cys Ser Glu Asp Gly His Lys Arg  
 385 390 395 400

Arg Ile Leu Thr Leu Gly Leu Gly Phe Leu Val Ile Pro Phe Leu Pro  
 405 410 415

Ala Ser Asn Leu Phe Phe Arg Val Gly Phe Val Val Ala Glu Arg Val  
 420 425 430

Leu Tyr Leu Pro Ser Xaa Gly Tyr Cys Val Leu Leu Thr Phe Gly Phe  
 435 440 445

Gly Ala Leu Ser Lys His Thr Lys Lys Lys Lys Leu Ile Ala Ala Val  
 450 455 460

Val Leu Gly Ile Leu Phe Ile Asn Thr Leu Arg Cys Val Leu Arg Ser  
 465 470 475 480

Gly Glu Trp Arg Ser Glu Glu Gln Leu Phe Arg Ser Ala Leu Ser Val  
 485 490 495

Cys Pro Leu Asn Ala Lys Val His Tyr Asn Ile Gly Lys Asn Leu Ala  
 500 505 510

Asp Lys Gly Asn Gln Thr Ala Ala Ile Arg Tyr Tyr Arg Glu Ala Val  
 515 520 525

Arg Leu Asn Pro Lys Tyr Val His Ala Met Asn Asn Leu Gly Asn Ile  
 530 535 540

Leu Lys Glu Arg Asn Glu Leu Gln Glu Ala Glu Glu Leu Leu Ser Leu  
 545 550 555 560

Ala Val Gln Ile Gln Pro Asp Phe Ala Ala Ala Trp Met Asn Leu Gly  
 565 570 575

Ile Val Gln Asn Ser Leu Lys Arg Phe Glu Ala Ala Glu Gln Ser Tyr  
 580 585 590

Arg Thr Ala Ile Lys His Arg Arg Lys Tyr Pro Asp Cys Tyr Tyr Asn  
 595 600 605

Leu Gly Arg Leu Tyr Ala Asp Leu Asn Arg His Val Asp Ala Leu Asn  
 610 615 620

Ala Trp Arg Asn Ala Thr Val Leu Lys Pro Glu His Ser Leu Ala Trp

625	630	635	640
Asn Asn Met Ile Ile Leu Leu Asn Thr Gly Asn Leu Ala Gln Ala			
645	650	655	
Glu Ala Val Gly Arg Glu Ala Leu Glu Leu Ile Pro Asn Asp His Ser			
660	665	670	
Leu Met Phe Ser Leu Ala Asn Val Leu Gly Lys Ser Gln Lys Tyr Lys			
675	680	685	
Glu Ser Glu Ala Leu Phe Leu Lys Ala Ile Lys Ala Asn Pro Asn Ala			
690	695	700	
Ala Ser Tyr His Gly Asn Leu Ala Val Leu Tyr His Arg Trp Gly His			
705	710	715	720
Leu Asp Leu Ala Lys Lys His Tyr Glu Ile Ser Leu Gln Leu Asp Pro			
725	730	735	
Thr Ala Ser Gly Thr Lys Glu Asn Tyr Gly Leu Leu Arg Arg Lys Leu			
740	745	750	
Glu Leu Met Gln Lys Lys Ala Val			
755	760		

<210> 131  
<211> 201  
<212> PRT  
<213> Homo sapiens

<400> 131			
Met Phe Phe Leu Gly Ala Val Leu Cys Leu Ser Phe Ser Trp Leu Phe			
1	5	10	15
His Thr Val Tyr Cys His Ser Glu Lys Val Ser Arg Thr Phe Ser Lys			
20	25	30	
Leu Asp Tyr Ser Gly Ile Ala Leu Leu Ile Met Gly Ser Phe Val Pro			
35	40	45	
Trp Leu Tyr Tyr Ser Phe Tyr Cys Ser Pro Gln Pro Arg Leu Ile Tyr			
50	55	60	
Leu Ser Ile Val Cys Val Leu Gly Ile Ser Ala Ile Ile Val Ala Gln			
65	70	75	80
Trp Asp Arg Phe Ala Thr Pro Lys His Arg Gln Thr Arg Ala Gly Val			
85	90	95	
Phe Leu Gly Leu Gly Leu Ser Gly Val Val Pro Thr Met His Phe Thr			
100	105	110	
Ile Ala Glu Gly Phe Val Lys Ala Thr Thr Val Gly Gln Met Gly Trp			
115	120	125	
Phe Phe Leu Met Ala Val Met Tyr Ile Thr Gly Ala Gly Leu Tyr Ala			

130

135

140

Ala Arg Ile Pro Glu Arg Phe Phe Pro Gly Lys Phe Asp Ile Trp Phe  
 145                   150                   155                   160

Gln Ser His Gln Ile Phe His Val Leu Val Val Ala Ala Ala Phe Val  
 165                   170                   175

His Phe Tyr Gly Val Ser Asn Leu Gln Glu Phe Arg Tyr Gly Leu Glu  
 180                   185                   190

Gly Gly Cys Thr Asp Asp Thr Leu Leu  
 195                   200

&lt;210&gt; 132

&lt;211&gt; 46

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 132

Met Gly Arg Gln Ala Leu Leu Leu Ala Leu Cys Ala Thr Gly Ala  
 1                   5                   10                   15

Gln Gly Leu Tyr Phe His Ile Gly Glu Thr Glu Lys Arg Cys Phe Ile  
 20                   25                   30

Glu Glu Ile Pro Asp Glu Thr Met Val Ile Gly Gln Ala Gly  
 35                   40                   45

&lt;210&gt; 133

&lt;211&gt; 305

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (11)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 133

Met Ala Leu Cys Ala Leu Thr Arg Ala Leu Xaa Ser Leu Asn Leu Ala  
 1                   5                   10                   15

Pro Pro Thr Val Ala Ala Pro Ala Pro Ser Leu Phe Pro Ala Ala Gln  
 20                   25                   30

Met Met Asn Asn Gly Leu Leu Gln Gln Pro Ser Ala Leu Met Leu Leu  
 35                   40                   45

Pro Cys Arg Pro Val Leu Thr Ser Val Ala Leu Asn Ala Asn Phe Val  
 50                   55                   60

Ser Trp Lys Ser Arg Thr Lys Tyr Thr Ile Thr Pro Val Lys Met Arg  
 65                   70                   75                   80

Lys Ser Gly Gly Arg Asp His Thr Gly Arg Ile Arg Val His Gly Ile

85

90

95

Gly Gly Gly His Lys Gln Arg Tyr Arg Met Ile Asp Phe Leu Arg Phe  
 100 105 110

Arg Pro Glu Glu Thr Lys Ser Gly Pro Phe Glu Glu Lys Val Ile Gln  
 115 120 125

Val Arg Tyr Asp Pro Cys Arg Ser Ala Asp Ile Ala Leu Val Ala Gly  
 130 135 140

Gly Ser Arg Lys Arg Trp Ile Ile Ala Thr Glu Asn Met Gln Ala Gly  
 145 150 155 160

Asp Thr Ile Leu Asn Ser Asn His Ile Gly Arg Met Ala Val Ala Ala  
 165 170 175

Arg Glu Gly Asp Ala His Pro Leu Gly Ala Leu Pro Val Gly Thr Leu  
 180 185 190

Ile Asn Asn Val Glu Ser Glu Pro Gly Arg Gly Ala Gln Tyr Ile Arg  
 195 200 205

Ala Ala Gly Thr Cys Gly Val Leu Leu Arg Lys Val Asn Gly Thr Ala  
 210 215 220

Ile Ile Gln Leu Pro Ser Lys Arg Gln Met Gln Val Leu Glu Thr Cys  
 225 230 235 240

Val Ala Thr Val Gly Arg Val Ser Asn Val Asp His Asn Lys Arg Val  
 245 250 255

Ile Gly Lys Ala Gly Arg Asn Arg Trp Leu Gly Lys Arg Pro Asn Ser  
 260 265 270

Gly Arg Trp His Arg Lys Gly Gly Trp Ala Gly Arg Lys Ile Arg Pro  
 275 280 285

Leu Pro Pro Met Lys Ser Tyr Val Lys Leu Pro Ser Ala Ser Ala Gln  
 290 295 300

Ser  
 305

&lt;210&gt; 134

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 134

Met Asn Gln Leu Met Phe Gln Asp Leu Leu Cys Cys Leu Cys Leu Phe  
 1 5 10 15

Val Ile Gly Leu Ile Ser Leu Leu Arg Lys Thr Tyr Ser Cys Val Asn  
 20 25 30

Leu Cys Lys Val Met Leu Pro Val Lys Lys Tyr Ser Thr Val Ser Thr

35

40

45

Val Leu Cys Arg Asn Met Lys Leu Asn Gly Lys Asn Val Leu Met Phe  
 50 55 60

Val Val Met Leu Leu Gly Gln Trp Met Gly Lys Leu Pro Lys Leu Ser  
 65 70 75 80

Pro

<210> 135  
<211> 242  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (88)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (139)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 135  
Met Glu Gln Ala Arg Lys Ser Ser Thr Val Ser Leu Leu Ile Thr Val  
 1 5 10 15

Leu Phe Ala Val Ala Phe Ser Val Leu Leu Leu Ser Cys Lys Asp His  
 20 25 30

Val Gly Tyr Ile Phe Thr Thr Asp Arg Asp Ile Ile Asn Leu Val Ala  
 35 40 45

Gln Val Val Pro Ile Tyr Ala Val Ser His Leu Phe Glu Ala Leu Ala  
 50 55 60

Cys Thr Ser Gly Gly Val Leu Arg Gly Ser Gly Asn Gln Lys Val Gly  
 65 70 75 80

Ala Ile Val Asn Thr Ile Gly Xaa Tyr Val Val Gly Leu Pro Ile Gly  
 85 90 95

Ile Ala Leu Met Phe Ala Thr Thr Leu Gly Val Met Gly Leu Trp Ser  
 100 105 110

Gly Ile Ile Ile Cys Thr Val Phe Gln Ala Val Cys Phe Leu Gly Phe  
 115 120 125

Ile Ile Gln Leu Asn Trp Lys Lys Ala Cys Xaa Gln Ala Gln Val His  
 130 135 140

Ala Asn Leu Lys Val Asn Asn Val Pro Arg Ser Gly Asn Ser Ala Leu  
 145 150 155 160

Pro	Gln	Asp	Pro	Leu	His	Pro	Gly	Cys	Pro	Glu	Asn	Leu	Glu	Gly	Ile
			165						170					175	
Leu	Thr	Asn	Asp	Val	Gly	Lys	Thr	Gly	Glu	Pro	Gln	Ser	Asp	Gln	Gln
			180				185					190			
Met	Arg	Gln	Glu	Glu	Pro	Leu	Pro	Glu	His	Pro	Gln	Asp	Gly	Ala	Lys
			195				200					205			
Leu	Ser	Arg	Lys	Gln	Leu	Val	Leu	Arg	Arg	Gly	Leu	Leu	Leu	Gly	
			210			215					220				
Val	Phe	Leu	Ile	Leu	Leu	Val	Gly	Ile	Leu	Val	Arg	Phe	Tyr	Val	Arg
			225			230				235				240	
Ile	Gln														

&lt;210&gt; 136

&lt;211&gt; 285

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 136

Met	Val	Val	Ala	Gly	Val	Val	Val	Leu	Ile	Leu	Ala	Leu	Val	Leu	Ala
1					5				10				15		

Trp	Leu	Ser	Thr	Tyr	Val	Ala	Asp	Ser	Gly	Ser	Asn	Gln	Leu	Leu	Gly
					20			25				30			

Ala	Ile	Val	Ser	Ala	Gly	Asp	Thr	Ser	Val	Leu	His	Leu	Gly	His	Val
					35			40			45				

Asp	His	Leu	Val	Ala	Gly	Gln	Gly	Asn	Pro	Glu	Pro	Thr	Glu	Leu	Pro
						50		55			60				

His	Pro	Ser	Glu	Gly	Asn	Asp	Glu	Lys	Ala	Glu	Glu	Ala	Gly	Glu	Gly
					65		70			75			80		

Arg	Gly	Asp	Ser	Thr	Gly	Glu	Ala	Gly	Ala	Gly	Gly	Val	Glu	Pro
					85			90			95			

Ser	Leu	Glu	His	Leu	Leu	Asp	Ile	Gln	Gly	Leu	Pro	Lys	Arg	Gln	Ala
					100			105			110				

Gly	Ala	Gly	Ser	Ser	Ser	Pro	Glu	Ala	Pro	Leu	Arg	Ser	Glu	Asp	Ser
					115			120			125				

Thr	Cys	Leu	Pro	Pro	Ser	Pro	Gly	Leu	Ile	Thr	Val	Arg	Leu	Lys	Phe
						130		135			140				

Leu	Asn	Asp	Thr	Glu	Glu	Leu	Ala	Val	Ala	Arg	Pro	Glu	Asp	Thr	Val
					145			150			155			160	

Gly	Ala	Leu	Lys	Ser	Lys	Tyr	Phe	Pro	Gly	Gln	Glu	Ser	Gln	Met	Lys
					165			170			175				

Leu Ile Tyr Gln Gly Arg Leu Leu Gln Asp Pro Ala Arg Thr Leu Arg  
 180                    185                    190

Ser Leu Asn Ile Thr Asp Asn Cys Val Ile His Cys His Arg Ser Pro  
 195                    200                    205

Pro Gly Ser Ala Val Pro Gly Pro Ser Ala Ser Leu Ala Pro Ser Ala  
 210                    215                    220

Thr Glu Pro Pro Ser Leu Gly Val Asn Val Gly Ser Leu Met Val Pro  
 225                    230                    235                    240

Val Phe Val Val Leu Leu Gly Val Val Trp Tyr Phe Arg Ile Asn Tyr  
 245                    250                    255

Arg Gln Phe Phe Thr Ala Pro Ala Thr Val Ser Leu Val Gly Val Thr  
 260                    265                    270

Val Phe Phe Ser Phe Leu Val Phe Gly Met Tyr Gly Arg  
 275                    280                    285

<210> 137

<211> 157

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 137

Met Asp Ala Met Ile Leu Leu Asn Val Leu Ala Leu Thr Arg Leu Ala  
 1                    5                    10                    15

Lys Ala Ala Ala Thr Asn Phe Val Ala Gln Gly Arg Gly Thr Ile Ile  
 20                    25                    30

Asn Ile Gly Ser Ile Val Ala Leu Ala Pro Lys Val Leu Asn Gly Val  
 35                    40                    45

Tyr Gly Gly Thr Lys Ala Phe Val Gln Ala Phe Ser Glu Ser Leu Gln

50

55

60

His Glu Leu Ser Asp Lys Gly Val Val Val Gln Val Val Val Leu Pro Gly  
 65                   70                   75                   80

Ala Thr Ala Thr Glu Phe Trp Asp Ile Ala Gly Leu Pro Val Lys Gln  
 85                   90                   95

Pro Ala Gly Ser His Gly Asp Asp His Arg Lys Pro Gly Gly Arg Arg  
 100               105               110

Pro Xaa Arg Pro Cys Pro Xaa Xaa Xaa Val Thr Ile Pro Ser Leu Pro  
 115               120               125

Asp Ser Ala Asp Trp Asp Thr Thr Asn Ala Arg Gly Trp Pro Trp Val  
 130               135               140

Arg Thr Cys Arg Thr Val Asn Pro Pro Leu Val Met Gly  
 145               150               155

&lt;210&gt; 138

&lt;211&gt; 308

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (87)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (185)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 138

Met Pro Val Pro Trp Phe Leu Leu Ser Leu Ala Leu Gly Arg Ser Pro  
 1               5               10               15

Val Val Leu Ser Leu Glu Arg Leu Val Gly Pro Gln Asp Ala Thr His  
 20               25               30

Cys Ser Pro Gly Leu Ser Cys Arg Leu Trp Asp Ser Asp Ile Leu Cys  
 35               40               45

Leu Pro Gly Asp Ile Val Pro Ala Pro Gly Pro Val Leu Ala Pro Thr  
 50               55               60

His Leu Gln Thr Glu Leu Leu Arg Cys Gln Lys Glu Thr Asp Cys  
 65               70               75               80

Asp Leu Cys Leu Arg Val Xaa Val His Leu Ala Val His Gly His Trp  
 85               90               95

Glu Glu Pro Glu Asp Glu Glu Lys Phe Gly Gly Ala Ala Asp Leu Gly  
 100              105              110

Val Glu Glu Pro Arg Asn Ala Ser Leu Gln Ala Gln Val Val Leu Ser  
       115                  120                  125  
  
 Phe Gln Ala Tyr Pro Thr Ala Arg Cys Val Leu Leu Glu Val Gln Val  
       130                  135                  140  
  
 Pro Ala Ala Leu Val Gln Phe Gly Gln Ser Val Gly Ser Val Val Tyr  
   145                  150                  155                  160  
  
 Asp Cys Phe Glu Ala Ala Leu Gly Ser Glu Val Arg Ile Trp Ser Tyr  
       165                  170                  175  
  
 Thr Gln Pro Arg Tyr Glu Lys Glu Xaa Asn His Thr Gln Gln Leu Pro  
       180                  185                  190  
  
 Asp Cys Arg Gly Leu Glu Val Trp Asn Ser Ile Pro Ser Cys Trp Ala  
       195                  200                  205  
  
 Leu Pro Trp Leu Asn Val Ser Ala Asp Gly Asp Asn Val His Leu Val  
       210                  215                  220  
  
 Leu Asn Val Ser Glu Glu Gln His Phe Gly Leu Ser Leu Tyr Trp Asn  
       225                  230                  235                  240  
  
 Gln Val Gln Gly Pro Pro Lys Pro Arg Trp His Lys Asn Leu Thr Gly  
       245                  250                  255  
  
 Pro Gln Ile Ile Thr Leu Asn His Thr Asp Leu Val Pro Cys Leu Cys  
       260                  265                  270  
  
 Ile Gln Val Trp Pro Leu Glu Pro Asp Ser Val Arg Arg Thr Ser Ala  
       275                  280                  285  
  
 Pro Ser Gly Arg Thr Pro Ala His Thr Arg Thr Ser Gly Lys Pro Pro  
       290                  295                  300  
  
 Asp Cys Asp Cys  
   305

<210> 139  
 <211> 508  
 <212> PRT  
 <213> Homo sapiens

<400> 139  
 Met Asp Pro Lys Leu Gly Arg Met Ala Ala Ser Leu Leu Ala Val Leu  
       1                  5                  10                  15  
  
 Leu Leu Leu Leu Leu Glu Arg Gly Met Phe Ser Ser Pro Ser Pro Pro  
       20                  25                  30  
  
 Pro Ala Leu Leu Glu Lys Val Phe Gln Tyr Ile Asp Leu His Gln Asp  
       35                  40                  45  
  
 Glu Phe Val Gln Thr Leu Lys Glu Trp Val Ala Ile Glu Ser Asp Ser  
       50                  55                  60

Val Gln Pro Val Pro Arg Phe Arg Gln Glu Leu Phe Arg Met Met Ala  
 65 70 75 80

Val Ala Ala Asp Thr Leu Gln Arg Leu Gly Ala Arg Val Ala Ser Val  
 85 90 95

Asp Met Gly Pro Gln Gln Leu Pro Asp Gly Gln Ser Leu Pro Ile Pro  
 100 105 110

Pro Val Ile Leu Ala Glu Leu Gly Ser Asp Pro Thr Lys Gly Thr Val  
 115 120 125

Cys Phe Tyr Gly His Leu Asp Val Gln Pro Ala Asp Arg Gly Asp Gly  
 130 135 140

Trp Leu Thr Asp Pro Tyr Val Leu Thr Glu Val Asp Gly Lys Leu Tyr  
 145 150 155 160

Gly Arg Gly Ala Thr Asp Asn Lys Gly Pro Val Leu Ala Trp Ile Asn  
 165 170 175

Ala Val Ser Ala Phe Arg Ala Leu Glu Gln Asp Leu Pro Val Asn Ile  
 180 185 190

Lys Phe Ile Ile Glu Gly Met Glu Glu Ala Gly Ser Val Ala Leu Glu  
 195 200 205

Glu Leu Val Glu Lys Glu Lys Asp Arg Phe Phe Ser Gly Val Asp Tyr  
 210 215 220

Ile Val Ile Ser Asp Asn Leu Trp Ile Ser Gln Arg Lys Pro Ala Ile  
 225 230 235 240

Thr Tyr Gly Thr Arg Gly Asn Ser Tyr Phe Met Val Glu Val Lys Cys  
 245 250 255

Arg Asp Gln Asp Phe His Ser Gly Thr Phe Gly Gly Ile Leu His Glu  
 260 265 270

Pro Met Ala Asp Leu Val Ala Leu Leu Gly Ser Leu Val Asp Ser Ser  
 275 280 285

Gly His Ile Leu Val Pro Gly Ile Tyr Asp Glu Val Val Pro Leu Thr  
 290 295 300

Glu Glu Glu Ile Asn Thr Tyr Lys Ala Ile His Leu Asp Leu Glu Glu  
 305 310 315 320

Tyr Arg Asn Ser Ser Arg Val Glu Lys Phe Leu Phe Asp Thr Lys Glu  
 325 330 335

Glu Ile Leu Met His Leu Trp Arg Tyr Pro Ser Leu Ser Ile His Gly  
 340 345 350

Ile Glu Gly Ala Phe Asp Glu Pro Gly Thr Lys Thr Val Ile Pro Gly  
 355 360 365

Arg Val Ile Gly Lys Phe Ser Ile Arg Leu Val Pro His Met Asn Val

370

375

380

Ser Ala Val Glu Lys Gln Val Thr Arg His Leu Glu Asp Val Phe Ser  
 385                   390                   395                   400

Lys Arg Asn Ser Ser Asn Lys Met Val Val Ser Met Thr Leu Gly Leu  
 405                   410                   415

His Pro Trp Ile Ala Asn Ile Asp Asp Thr Gln Tyr Leu Ala Ala Lys  
 420                   425                   430

Arg Ala Ile Arg Thr Val Phe Gly Thr Glu Pro Asp Met Ile Arg Asp  
 435                   440                   445

Gly Ser Thr Ile Pro Ile Ala Lys Met Phe Gln Glu Ile Val His Lys  
 450                   455                   460

Ser Val Val Leu Ile Pro Leu Gly Ala Val Asp Asp Gly Glu His Ser  
 465                   470                   475                   480

Gln Asn Glu Lys Ile Asn Arg Trp Asn Tyr Ile Glu Gly Thr Lys Leu  
 485                   490                   495

Phe Ala Ala Phe Phe Leu Glu Met Ala Gln Leu His  
 500                   505

&lt;210&gt; 140

&lt;211&gt; 506

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (65)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (112)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (423)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (425)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 140

Met Gly Met Arg Arg His Ser Leu Met Leu Leu Pro Trp Trp Leu Gly  
 1                   5                   10                   15

Ala Ala Gly Arg Lys Glu Cys His Arg Glu Gln Leu Val Ala Ala Val  
 20                   25                   30

Glu Val Thr Glu Gln Glu Thr Lys Val Pro Lys Lys Thr Val Ile Ile  
   35                   40                   45  
  
 Glu Glu Thr Ile Thr Thr Val Val Lys Ser Pro Arg Gly Gln Arg Arg  
   50                   55                   60  
  
 Xaa Pro Ser Lys Ser Pro Ser Arg Ser Pro Ser Arg Cys Ser Ala Ser  
   65                   70                   75                   80  
  
 Pro Leu Arg Pro Gly Leu Leu Ala Pro Asp Leu Leu Tyr Leu Pro Gly  
   85                   90                   95  
  
 Ala Gly Gln Pro Arg Arg Pro Glu Ala Glu Pro Gly Gln Lys Pro Xaa  
   100                 105                 110  
  
 Val Pro Thr Leu Tyr Val Thr Glu Ala Glu Ala His Ser Pro Ala Leu  
   115                 120                 125  
  
 Pro Gly Leu Ser Gly Pro Gln Pro Lys Trp Val Glu Val Glu Glu Thr  
   130                 135                 140  
  
 Ile Glu Val Arg Val Lys Lys Met Gly Pro Gln Gly Val Ser Pro Thr  
   145                 150                 155                 160  
  
 Thr Glu Val Pro Arg Ser Ser Gly His Leu Phe Thr Leu Pro Gly  
   165                 170                 175  
  
 Ala Thr Pro Gly Gly Asp Pro Asn Ser Asn Asn Ser Asn Asn Lys Leu  
   180                 185                 190  
  
 Leu Ala Gln Glu Ala Trp Ala Gln Gly Thr Ala Met Val Gly Val Arg  
   195                 200                 205  
  
 Glu Pro Leu Val Phe Arg Val Asp Ala Arg Gly Ser Val Asp Trp Ala  
   210                 215                 220  
  
 Ala Ser Gly Met Gly Ser Leu Glu Glu Gly Thr Met Glu Glu Ala  
   225                 230                 235                 240  
  
 Gly Glu Glu Glu Gly Glu Asp Gly Asp Ala Phe Val Thr Glu Glu Ser  
   245                 250                 255  
  
 Gln Asp Thr His Ser Leu Gly Asp Arg Asp Pro Lys Ile Leu Thr His  
   260                 265                 270  
  
 Asn Gly Arg Met Leu Thr Leu Ala Asp Leu Glu Asp Tyr Val Pro Gly  
   275                 280                 285  
  
 Glu Gly Glu Thr Phe His Cys Gly Gly Pro Gly Pro Gly Ala Pro Asp  
   290                 295                 300  
  
 Asp Pro Pro Cys Glu Val Ser Val Ile Gln Arg Glu Ile Gly Glu Pro  
   305                 310                 315                 320  
  
 Thr Val Gly Ser Leu Cys Cys Ser Ala Trp Gly Met His Trp Val Pro  
   325                 330                 335

100

Glu Ala Leu Ser Ala Ser Leu Gly Leu Ser Pro Val Gly Arg His His  
340 345 350

Arg Asp Pro Arg Ser Val Ala Leu Arg Ala Pro Pro Ser Ser Cys Gly  
355 360 365

Arg Pro Arg Leu Gly Leu Trp Ala Val Leu Pro Gly Arg Ser Leu Ser  
370 375 380

Ala Pro Ala Ser Gly Val Leu Arg Thr Val Ala Arg Ala Ala Ser Pro  
385 390 395 400

Gln Ser Phe Pro Pro Arg Pro Ser Thr Ser Gly Gln Trp Gly Arg Arg  
405 410 415

Ser Pro Phe Thr Ser Val Xaa Gly Xaa Gly Pro Ser Tyr Leu Thr Gln  
420 425 430

Leu Gln Pro Gly Gly Leu Gly Ala Cys Asn Val Gly Met Thr Gly  
435 440 445

Ser Lys Thr Ser Ala Leu Gly Cys Phe Leu Ser Ala Trp Gln Glu Pro  
450 455 460

Gln Asp Cys Gly Arg Arg Met Trp Pro Trp Ala Phe Val Leu Phe Pro  
465 470 475 480

His Gly Pro Gly Pro Ser Leu Leu Ala Pro Ala Thr Ala Ala Arg Pro  
485 490 495

Asp Met Ala Leu Pro Leu Leu Gln Ser Trp  
500 505

<210> 141

<211> 48

<212> PRT

<213> Homo sapiens

<400> 141

Met Arg Leu Leu Leu Leu Leu Val Ala Ala Ser Ala Met Val Arg  
1 5 10 15

Ser Glu Ala Ser Ala Asn Leu Gly Gly Val Pro Ser Lys Arg Leu Lys  
20 25 30

Met Gln Tyr Ala Thr Gly Pro Leu Leu Lys Phe Gln Ile Cys Val Ser  
35 40 45

<210> 142

<211> 130

<212> PRT

<213> Homo sapiens

<220>  
<221> SITE  
<222> (64)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (65)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 142  
Met Leu Met Pro Val His Phe Leu Leu Leu Leu Leu Leu Gly  
1 5 10 15

Gly Pro Arg Thr Gly Leu Pro His Lys Phe Tyr Lys Ala Lys Pro Ile  
20 25 30

Phe Ser Cys Leu Asn Thr Ala Leu Ser Glu Ala Glu Lys Gly Gln Trp  
35 40 45

Glu Asp Ala Ser Leu Leu Ser Lys Arg Ser Phe His Tyr Leu Arg Xaa  
50 55 60

Xaa Thr Pro Leu Arg Glu Arg Arg Arg Ala Lys Arg Lys Arg Leu  
65 70 75 80

Ser Pro Ser Leu Gly Pro Gly Val Glu Pro Glu Ala Pro Gly Thr Asp  
85 90 95

Thr Cys Pro Lys His Ser Pro Gly Glu Ser His Ala Arg Thr Arg Pro  
100 105 110

Arg Val Pro Thr Ala Pro Ser Ser Pro Cys Pro Ser Thr Ser Pro Pro  
115 120 125

Thr Ser  
130

<210> 143  
<211> 43  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (29)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 143  
Met Ala Phe Leu Gln Ser Ala Ser Tyr Val Met Val Ile Leu Cys Ala  
1 5 10 15

Cys Val Ile Ile Ile Gly Ile Leu Xaa Tyr Ala Phe Xaa Phe Glu Thr  
                  20                     25                     30

Leu Ser Pro Lys Lys Arg Arg Asp Ile Glu Ile  
                  35                     40

<210> 144

<211> 91

<212> PRT

<213> Homo sapiens

<400> 144

Met Gln Leu Ile Glu Ser Arg Phe His Phe Arg Cys Val Trp Ile Leu  
     1                  5                     10                 15

His Leu Leu Ala Leu Phe Ser Thr Trp Pro Pro Lys Asp Pro Glu Gly  
     20                 25                     30

Ser Pro Pro Ser Ala Thr Ser Ser Pro Leu Thr Pro His Leu Ser Leu  
     35                 40                     45

Thr Leu Pro Phe Lys Gln Ala Pro Val Ser Asn Val Ser Ser Ala Ile  
     50                 55                     60

His Val Met Leu Asp Lys Ser Val Ser Leu Ser Glu Ile Gln Phe Ser  
     65                 70                     75                 80

His Met Pro Asn Gly Lys Arg Ala Ser Thr Leu  
     85                 90

<210> 145

<211> 266

<212> PRT

<213> Homo sapiens

<400> 145

Met Glu Leu Leu Thr Ala Leu Leu Arg Leu Phe Leu Ser Arg Pro Ala  
     1                 5                     10                 15

Glu Cys Gln Asp Met Leu Gly Arg Leu Leu Tyr Tyr Cys Ile Glu Glu  
     20                 25                     30

Glu Lys Asp Met Ala Val Arg Asp Arg Gly Leu Phe Tyr Tyr Arg Leu  
     35                 40                     45

Leu Leu Val Gly Ile Asp Glu Val Lys Arg Ile Leu Cys Ser Pro Lys  
     50                 55                     60

Ser Asp Pro Thr Leu Gly Leu Leu Glu Asp Pro Ala Glu Arg Pro Val  
     65                 70                     75                 80

Asn Ser Trp Ala Ser Asp Phe Asn Thr Leu Val Pro Val Tyr Gly Lys  
     85                 90                     95

Ala His Trp Ala Thr Ile Ser Lys Cys Gln Gly Ala Glu Arg Cys Asp  
     100                105                     110

Pro Glu Leu Pro Lys Thr Ser Ser Phe Ala Ala Ser Gly Pro Leu Ile  
 115 120 125  
 Pro Glu Glu Asn Lys Glu Arg Val Gln Glu Leu Pro Asp Ser Gly Ala  
 130 135 140  
 Leu Met Leu Val Pro Asn Arg Gln Leu Thr Ala Asp Tyr Phe Glu Lys  
 145 150 155 160  
 Thr Trp Leu Ser Leu Lys Val Ala His Gln Gln Val Leu Pro Trp Arg  
 165 170 175  
 Gly Glu Phe His Pro Asp Thr Leu Gln Met Ala Leu Gln Val Val Asn  
 180 185 190  
 Ile Gln Thr Ile Ala Met Ser Arg Ala Gly Ser Arg Pro Trp Lys Ala  
 195 200 205  
 Tyr Leu Ser Ala Gln Asp Asp Thr Gly Cys Leu Phe Leu Thr Glu Leu  
 210 215 220  
 Leu Leu Glu Pro Gly Asn Ser Glu Met Gln Ile Ser Val Lys Gln Asn  
 225 230 235 240  
 Glu Ala Arg Thr Glu Thr Leu Asn Ser Phe Ile Ser Val Leu Glu Thr  
 245 250 255  
 Val Ile Gly Thr Ile Glu Glu Ile Lys Ser  
 260 265

<210> 146  
 <211> 434  
 <212> PRT  
 <213> Homo sapiens

<400> 146  
 Met Ala Pro Glu Gly Leu Val Pro Ala Val Leu Trp Gly Leu Ser Leu  
 1 5 10 15  
 Phe Leu Asn Leu Pro Gly Pro Ile Trp Leu Gln Pro Ser Pro Pro Pro  
 20 25 30  
 Gln Ser Ser Pro Pro Pro Gln Pro His Pro Cys His Thr Cys Arg Gly  
 35 40 45  
 Leu Val Asp Ser Phe Asn Lys Gly Leu Glu Arg Thr Ile Arg Asp Asn  
 50 55 60  
 Phe Gly Gly Gly Asn Thr Ala Trp Glu Glu Glu Asn Leu Ser Lys Tyr  
 65 70 75 80  
 Lys Asp Ser Glu Thr Arg Leu Val Glu Val Leu Glu Gly Val Cys Ser  
 85 90 95  
 Lys Ser Asp Phe Glu Cys His Arg Leu Leu Glu Leu Ser Glu Glu Leu  
 100 105 110

Val Glu Ser Trp Trp Phe His Lys Gln Gln Glu Ala Pro Asp Leu Phe  
 115 120 125  
 Gln Trp Leu Cys Ser Asp Ser Leu Lys Leu Cys Cys Pro Ala Gly Thr  
 130 135 140  
 Phe Gly Pro Ser Cys Leu Pro Cys Pro Gly Gly Thr Glu Arg Pro Cys  
 145 150 155 160  
 Gly Gly Tyr Gly Gln Cys Glu Gly Glu Gly Thr Arg Gly Ser Gly  
 165 170 175  
 His Cys Asp Cys Gln Ala Gly Tyr Gly Gly Glu Ala Cys Gly Gln Cys  
 180 185 190  
 Gly Leu Gly Tyr Phe Glu Ala Glu Arg Asn Ala Ser His Leu Val Cys  
 195 200 205  
 Ser Ala Cys Phe Gly Pro Cys Ala Arg Cys Ser Gly Pro Glu Glu Ser  
 210 215 220  
 Asn Cys Leu Gln Cys Lys Lys Gly Trp Ala Leu His His Leu Lys Cys  
 225 230 235 240  
 Val Asp Ile Asp Glu Cys Gly Thr Glu Gly Ala Asn Cys Gly Ala Asp  
 245 250 255  
 Gln Phe Cys Val Asn Thr Glu Gly Ser Tyr Glu Cys Arg Asp Cys Ala  
 260 265 270  
 Lys Ala Cys Leu Gly Cys Met Gly Ala Gly Pro Gly Arg Cys Lys Lys  
 275 280 285  
 Cys Ser Pro Gly Tyr Gln Gln Val Gly Ser Lys Cys Leu Asp Val Asp  
 290 295 300  
 Glu Cys Glu Thr Glu Val Cys Pro Gly Glu Asn Lys Gln Cys Glu Asn  
 305 310 315 320  
 Thr Glu Gly Gly Tyr Arg Cys Ile Cys Ala Glu Gly Tyr Lys Gln Met  
 325 330 335  
 Glu Gly Ile Cys Val Lys Glu Gln Ile Pro Gly Ala Phe Pro Ile Leu  
 340 345 350  
 Thr Asp Leu Thr Pro Glu Thr Thr Arg Arg Trp Lys Leu Gly Ser His  
 355 360 365  
 Pro His Ser Thr Tyr Val Lys Met Lys Met Gln Arg Asp Glu Ala Thr  
 370 375 380  
 Phe Pro Gly Leu Tyr Gly Lys Gln Val Ala Lys Leu Gly Ser Gln Ser  
 385 390 395 400  
 Arg Gln Ser Asp Arg Gly Thr Arg Leu Ile His Val Ile Asn Ala Leu  
 405 410 415

Pro Pro Thr Cys Pro Pro Gln Lys Lys Lys Lys Lys Lys Gly  
 420 425 430

Gly Arg

<210> 147  
<211> 236  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (55)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 147  
Met Ile Ser Leu Pro Gly Pro Leu Val Thr Asn Leu Leu Arg Phe Leu  
 1 5 10 15

Phe Leu Gly Leu Ser Ala Leu Ala Pro Pro Ser Arg Ala Gln Leu Gln  
 20 25 30

Leu His Leu Pro Ala Asn Arg Leu Gln Ala Val Glu Gly Gly Glu Val  
 35 40 45

Val Leu Pro Ala Trp Tyr Xaa Leu His Gly Glu Val Ser Ser Ser Gln  
 50 55 60

Pro Trp Glu Val Pro Phe Val Met Trp Phe Phe Lys Gln Lys Glu Lys  
 65 70 75 80

Glu Asp Gln Val Leu Ser Tyr Ile Asn Gly Val Thr Thr Ser Lys Pro  
 85 90 95

Gly Val Ser Leu Val Tyr Ser Met Pro Ser Arg Asn Leu Ser Leu Arg  
 100 105 110

Leu Glu Gly Leu Gln Glu Lys Asp Ser Gly Pro Tyr Ser Cys Ser Val  
 115 120 125

Asn Val Gln Asp Lys Gln Gly Lys Ser Arg Gly His Ser Ile Lys Thr  
 130 135 140

Leu Glu Leu Asn Val Leu Val Pro Pro Ala Pro Pro Ser Cys Arg Leu  
 145 150 155 160

Gln Gly Val Pro His Val Gly Ala Asn Val Thr Leu Ser Cys Gln Ser  
 165 170 175

Pro Arg Ser Lys Pro Ala Val Gln Tyr Gln Trp Asp Arg Gln Leu Pro  
 180 185 190

Ser Phe Gln Thr Phe Phe Ala Pro Ala Leu Asp Val Ile Arg Gly Ser  
 195 200 205

Leu Ser Leu Thr Asn Leu Ser Ser Ser Met Ala Gly Val Tyr Val Cys

215

220

Lys Ala His Asn Glu Val Gly Thr Ala Asn Val Met  
225 230 235

<210> 148

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 148

Met Thr Trp Gly Thr Trp Leu Val His Thr Phe Leu Cys Ser Val Ala  
1 5 10 15

Ser Ala Lys Thr Leu Lys Ser Val Arg Lys Tyr Leu Ser Leu Cys Ser  
20 25 30

Pro Ile Gly Ser Ser Phe Val Val Ser Glu Gly Ser Tyr Leu Asp Ile  
35 40 45

Ser Asp Trp Leu Asn Pro Ala Lys Leu Ser Leu Tyr Tyr Gln Ile Asn  
50 55 60

Ala Thr Ser Pro Trp Val Arg Asp Leu Cys Gly Gln Arg Xaa Thr Asp  
65                   70                   75                   80

Ala Cys Glu Gln Leu Cys Asp Pro Glu Thr Gly Glu Pro Trp Glu Pro  
85 90 95

Gly Trp Gly

<210> 149

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa

10. The following table shows the number of hours worked by 1000 employees in a company.

Met-Tyr-L

1 5 10 15

20 25 30

THE Lys Thr Tyr Ser HIS PRO Val Gly Glu Leu Ser Lys Arg Cys Leu  
35 40 45

Asp Ala Ser Lys Leu Ala Tyr Xaa Lys Phe Thr Ser Ile Lys Tyr Gln  
 50                        55                        60

Cys Asn Tyr Ser Thr  
 65

<210> 150  
<211> 61  
<212> PRT  
<213> Homo sapiens

<400> 150  
Met His Glu Cys Gln Ser Phe Pro Leu Cys Val His Leu Arg Leu Val  
 1                        5                        10                        15

Leu Leu Leu Ser Phe Lys Thr Gln Val His Glu Phe His Glu Val Phe  
 20                        25                        30

Pro His Tyr Ser His Phe Asn Phe Pro Ser Leu Asn Asn Tyr Asp Ile  
 35                        40                        45

Asn Leu Leu Leu Asn His Glu Leu Trp His Thr Thr Pro  
 50                        55                        60

<210> 151  
<211> 88  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (73)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 151  
Met Asn Leu Val Gly Phe Cys Leu Phe Ile Cys Leu Leu Met Leu  
 1                        5                        10                        15

Leu Leu Leu Leu Leu Phe Ser Lys Phe Ser Ile Val Glu Lys Tyr Ala  
 20                        25                        30

Ala Pro Glu Glu Met Ile Gly His Ser Pro Ala Trp Cys Trp Thr Leu  
 35                        40                        45

Ser Ser Leu Ala Gln Pro Ser Pro Asp Leu Ser Val Tyr Leu Thr Leu  
 50                        55                        60

Val Phe Tyr Ile Leu Gln Arg Gln Xaa Gln Asn Asn Pro Asn Leu Thr  
 65                        70                        75                        80

Gln Ile Pro Gly Ile His Leu Ile  
 85

<210> 152

<211> 78  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (40)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (46)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (60)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 152  
Met Met Gly Asn Asp Leu Leu His Leu Val Phe Leu Gln Leu Ser Leu  
1 5 10 15

Gly Val Ala Ser Gly Gly Trp Ile Leu Trp Pro Leu Arg Arg Leu Gly  
20 25 30

Gly Ala His Thr Ser Lys Asp Xaa Asn Lys Asn Gly His Xaa Val His  
35 40 45

Cys Leu Val Ile Thr Asn Glu Pro Leu Val Ser Xaa Lys Lys Ile Gly  
50 55 60

Leu Ser Ser Pro His Thr Cys Pro Ser Thr Leu Gln Gln Phe  
65 70 75

<210> 153  
<211> 123  
<212> PRT  
<213> Homo sapiens

<400> 153  
Met Met Val Trp Asn Leu Phe Pro Cys Phe Pro Pro Leu Leu Leu  
1 5 10 15

Gln Phe Ile Asp Cys Gln Gln Ser Ser Glu Ile Glu Gln Gly Phe Thr  
20 25 30

Arg Ser Leu Leu Gly His Pro Ile Phe Phe Cys Pro Asp Pro Cys Trp  
35 40 45

Gln Ser Cys Met Asn Cys Val Ile Leu Ser Val Leu Ser Phe Phe Phe  
50 55 60

Leu Ile Arg Trp Ile Ser Lys Ile Val Ala Val Gln Lys Leu Glu Ser  
65 70 75 80

Ser Ser Arg Arg Lys Pro Ile Leu Phe Leu Ile Ile Ser Cys Glu Ile

109

85

90

95

Ala Ser Phe Ile His Leu Phe Leu Ser Gln Met Ser Ala Glu Cys Cys  
100 105 110

Cys Phe Tyr Leu Val Ile Leu Ile Cys Lys Tyr  
115 120

<210> 154

<211> 68

<212> PRT

<213> Homo sapiens

<400> 154

Met Tyr Leu Gly Ser Arg Ile Val Lys Ala Leu Phe Phe Leu Leu Phe  
1 5 10 15

Cys Ile Phe His Ile Trp Tyr Asn Glu His Val Leu Arg Thr Val Leu  
20 25 30

Asp Leu Arg Lys Tyr Ala Asn Thr Val Gln Ile Val Leu Ala Ser Pro  
35 40 45

Met Pro Ser Ser Ser Ile Ala Asn Val Ser Thr Leu Val Trp Cys Val  
50 55 60

Cys Cys Asn Gly  
65

<210> 155

<211> 43

<212> PRT

<213> Homo sapiens

<400> 155

Met Lys Cys Thr Glu Lys Cys Val Val Val Phe Phe Thr Phe Val Leu  
1 5 10 15

Tyr Met Tyr Val Tyr Trp Val Leu Trp Ala Val Glu Ala Lys Leu Thr  
20 25 30

Ser His Val Ala His Glu Met Leu Val Ser Cys  
35 40

<210> 156

<211> 63

<212> PRT

<213> Homo sapiens

<400> 156

Met Phe Ile Leu Leu Ile Val Phe Val Phe Ser Lys Ser Lys Gln Val  
1 5 10 15

Leu Ser Ile Cys Leu Lys Ile Phe Lys Val Glu Ile Asn Ser Ile Ser  
20 25 30

Phe Cys Lys Asn Lys Lys Tyr Lys Asp Leu Pro Tyr Ala Phe Ala Ser  
 35                    40                    45

Glu Lys Thr Gly Arg Thr Tyr Ser Asn Val Asn Asn Asp Tyr Leu  
 50                    55                    60

<210> 157  
<211> 61  
<212> PRT  
<213> Homo sapiens

<400> 157  
Met Ile Val Tyr Trp Met Ile Trp Ala Leu Arg Ser Pro Leu Thr Thr  
 1                    5                    10                    15

Ala Gln Asn Ile His Ser Ser Thr Ala Leu Thr Glu Phe Ala Lys Cys  
 20                    25                    30

Ile Lys Glu Val Thr Trp Arg Val Arg Ser Tyr Glu Thr Ile Cys Arg  
 35                    40                    45

Lys Trp Gly Lys Lys Gly His Met Ala Gln Leu Lys Leu  
 50                    55                    60

<210> 158  
<211> 82  
<212> PRT  
<213> Homo sapiens

<400> 158  
Met Arg Phe Phe Leu Glu Cys Val Leu Leu Ile Cys Phe Arg Ala Met  
 1                    5                    10                    15

Ser Ala Ile Tyr Thr His Thr Ser Ile Gly Asn Ala Gln Lys Leu Phe  
 20                    25                    30

Thr Asp Gly Ser Ala Phe Arg Arg Val Arg Glu Pro Leu Pro Lys Glu  
 35                    40                    45

Gly Lys Ser Trp Pro Gln Leu Glu Gln Ala Cys Leu Gly Pro Cys Ser  
 50                    55                    60

Val Phe Gln Leu Gln Thr Ala Cys Ile Ile Pro Ser Cys Tyr Ser Ser  
 65                    70                    75                    80

Phe Thr

<210> 159  
<211> 46  
<212> PRT  
<213> Homo sapiens

<400> 159

Met Cys Cys Ala Ser His Pro Cys Gln Arg Glu Gly Trp Leu Cys Val  
 1 5 10 15

Ile Phe Thr Val Phe Leu Lys Val Thr Val Cys Val Phe Thr Phe Val  
 20 25 30

Gln Ile Thr Gly Ser Lys Ala Ala Asn Ser Ala Ile Thr Cys  
 35 40 45

<210> 160

<211> 187

<212> PRT

<213> Homo sapiens

<400> 160

Met Ala Cys Lys Gly Leu Leu Gln Gln Val Gln Gly Pro Arg Leu Pro  
 1 5 10 15

Trp Thr Arg Leu Leu Leu Leu Val Phe Ala Val Gly Phe Leu  
 20 25 30

Cys His Asp Leu Pro Val Thr Gln Leu Leu Pro Gly Trp Leu Gly Glu  
 35 40 45

Thr Leu Pro Leu Trp Gly Ser His Leu Leu Thr Val Val Arg Pro Ser  
 50 55 60

Leu Gln Leu Ala Trp Ala His Thr Asn Ala Thr Val Ser Phe Leu Ser  
 65 70 75 80

Ala His Cys Ala Ser His Leu Ala Trp Phe Gly Asp Ser Leu Thr Ser  
 85 90 95

Leu Ser Gln Arg Leu Gln Ile Gln Leu Pro Asp Ser Val Asn Gln Leu  
 100 105 110

Leu Arg Tyr Leu Arg Glu Leu Pro Leu Leu Phe His Gln Asn Val Leu  
 115 120 125

Leu Pro Leu Trp His Leu Leu Glu Ala Leu Ala Trp Ala Gln Glu  
 130 135 140

His Cys His Glu Ala Cys Arg Gly Glu Val Thr Trp Asp Cys Met Lys  
 145 150 155 160

Thr Gln Leu Ser Glu Ala Val His Trp Thr Trp Leu Cys Tyr Arg Thr  
 165 170 175

Leu Gln Trp Leu Ser Trp Thr Gly His Leu Pro  
 180 185

<210> 161

<211> 113

<212> PRT

<213> Homo sapiens

<400> 161  
 Met Ile Phe Ser Met Pro Gln Gln Gly Ser Ser Trp Phe Leu Ser Ala  
 1 5 10 15  
 Phe Leu Ser Trp Pro Leu Ala Leu Ala Pro Ala Leu Thr Pro Thr Pro  
 20 25 30  
 Ala Pro Ala Arg Ala Pro Gly Ala Pro Arg Ala Ala Gly Ala Pro Gly  
 35 40 45  
 Arg Val Ala Ala Gly Arg Gly Thr Cys Ala Gly Ala Leu Ala Pro Gly  
 50 55 60  
 Gln Glu Ala Trp Ser Ala Val Trp Glu Pro Gly Leu Phe Ile Trp Val  
 65 70 75 80  
 Glu His Pro Leu Gly Cys Gln Gly His Gly Leu Asp Arg Phe Pro Leu  
 85 90 95  
 Pro Thr Ala Leu Pro Leu Gln Gly Gly His Ala Ala Cys Cys Pro Gln  
 100 105 110  
 Leu

<210> 162  
<211> 292  
<212> PRT  
<213> Homo sapiens  
<400> 162  
 Met Gly Ile Gln Thr Ser Pro Val Leu Leu Ala Ser Leu Gly Val Gly  
 1 5 10 15  
 Leu Val Thr Leu Leu Gly Leu Ala Val Gly Ser Tyr Leu Val Arg Arg  
 20 25 30  
 Ser Arg Arg Pro Gln Val Thr Leu Leu Asp Pro Asn Glu Lys Tyr Leu  
 35 40 45  
 Leu Arg Leu Leu Asp Lys Thr Thr Val Ser His His Thr Leu Gly Leu  
 50 55 60  
 Pro Val Gly Lys His Ile Tyr Leu Ser Thr Arg Ile Asp Gly Ser Leu  
 65 70 75 80  
 Val Ile Arg Pro Tyr Thr Pro Val Thr Ser Asp Glu Asp Gln Gly Tyr  
 85 90 95  
 Val Asp Leu Val Ile Lys Val Tyr Leu Lys Gly Val His Pro Lys Phe  
 100 105 110  
 Pro Glu Gly Gly Lys Met Ser Gln Tyr Leu Asp Ser Leu Lys Val Gly  
 115 120 125  
 Asp Val Val Glu Phe Arg Gly Pro Ser Gly Leu Leu Thr Tyr Thr Gly  
 130 135 140

Lys Gly His Phe Asn Ile Gln Pro Asn Lys Lys Ser Pro Pro Glu Pro  
 145 150 155 160  
 Arg Val Ala Lys Lys Leu Gly Met Ile Ala Gly Gly Thr Gly Ile Thr  
 165 170 175  
 Pro Met Leu Gln Leu Ile Arg Ala Ile Leu Lys Val Pro Glu Asp Pro  
 180 185 190  
 Thr Gln Cys Phe Leu Leu Phe Ala Asn Gln Thr Glu Lys Asp Ile Ile  
 195 200 205  
 Leu Arg Glu Asp Leu Glu Leu Gln Ala Arg Tyr Pro Asn Arg Phe  
 210 215 220  
 Lys Leu Trp Phe Thr Leu Asp His Pro Pro Lys Asp Trp Ala Tyr Ser  
 225 230 235 240  
 Lys Gly Phe Val Thr Ala Asp Met Ile Arg Glu His Leu Pro Ala Pro  
 245 250 255  
 Gly Asp Asp Val Leu Val Leu Cys Gly Pro Pro Pro Met Val Gln  
 260 265 270  
 Leu Ala Cys His Pro Asn Leu Asp Lys Leu Gly Tyr Ser Gln Lys Met  
 275 280 285  
 Arg Phe Thr Tyr  
 290

<210> 163  
 <211> 86  
 <212> PRT  
 <213> Homo sapiens

<400> 163  
 Met Val Met Val Phe Phe Leu Thr Phe Ser Gly Ser His Gly Cys Val  
 1 5 10 15  
 Pro Thr Ser Gln Pro Trp Lys Asp Ala Glu Asp Gln Val Gly Cys Val  
 20 25 30  
 His Ala Val Ala Trp Val Asn Ser Ala Leu Tyr Thr Val Leu Cys Pro  
 35 40 45  
 Phe Leu Gly Lys Pro Lys Cys Ser Phe Ser Phe Asp Arg Asn Glu Ser  
 50 55 60  
 Glu Asp Leu Asn Lys Gln Glu Val Lys Cys Arg Ala Val Pro Val Ser  
 65 70 75 80  
 Val Ser Ser Ser Met Leu  
 85

<210> 164

<211> 106  
 <212> PRT  
 <213> Homo sapiens

<400> 164  
 Met Leu Ala Thr Met Val Val Gln Ile Leu Arg Leu Arg Pro His Thr  
 1 5 10 15

Gln Lys Trp Ser His Val Leu Thr Leu Leu Gly Leu Ser Leu Val Leu  
 20 25 30

Gly Leu Pro Trp Ala Leu Ile Phe Phe Ser Phe Ala Ser Gly Thr Phe  
 35 40 45

Gln Leu Val Val Leu Tyr Leu Phe Ser Ile Ile Thr Ser Phe Gln Gly  
 50 55 60

Phe Leu Ile Phe Ile Trp Tyr Trp Ser Met Arg Leu Gln Ala Arg Gly  
 65 70 75 80

Gly Pro Ser Pro Leu Lys Ser Asn Ser Asp Ser Ala Arg Leu Pro Ile  
 85 90 95

Ser Ser Gly Ser Thr Ser Ser Arg Ile  
 100 105

<210> 165  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens

<400> 165  
 Met Ala Trp Arg Val Trp Cys Leu Trp Gly Ile Pro Pro Leu Phe Cys  
 1 5 10 15

Ser Pro Gly Thr Leu Ser Cys Val Cys Val Ser Phe Leu Ser Pro Gly  
 20 25 30

Asn Gly Met Ala Ser Glu His His Pro Arg Ser Ile Phe Pro Leu Gln  
 35 40 45

Asn Asp Val Ser Ser His Val Cys Phe Cys  
 50 55

<210> 166  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

<400> 166  
 Met Arg Ser Asp Cys Val Leu Ile Trp Gln Leu Val Gly Val Leu Leu  
 1 5 10 15

Ala Ser Gly Leu Ser Gly Asp Arg Ala Pro Leu Ile Val Leu Thr Ala  
 20 25 30

Cys Asp Lys Ala Trp Ala Thr Val  
 35                           40

<210> 167  
 <211> 65  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> SITE  
 <222> (29)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (35)  
 <223> Xaa equals any of the naturally occurring L-amino acids  
  
 <220>  
 <221> SITE  
 <222> (63)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (64)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 167  
 Met Trp Ala Cys Trp Gly Met Leu Gly Cys Ile Pro Leu Phe Val Pro  
 1                         5                         10                         15

Trp Val Pro Val Leu Gly Lys His Phe Ser Gly Cys Xaa Tyr Leu Cys  
 20                         25                         30

Gly Arg Xaa Pro Cys Trp Ile Ala Phe Ile Cys Val Arg Thr Pro Cys  
 35                         40                         45

Gly Pro Thr Thr Ala Pro Thr Ala Thr Leu Lys Trp Ser Pro Xaa Xaa  
 50                         55                         60

Thr  
 65

<210> 168  
 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<400> 168  
 Met Arg Tyr Trp Thr Asp Met Arg Arg Asn Tyr Arg Val Thr Tyr Gln  
 1                         5                             10                         15

Val Val Leu Leu Phe Leu Cys Phe Ser Leu Leu Thr Glu Cys Lys Thr  
 20                         25                         30

Phe Glu Pro Arg Ser Glu Arg Ser Leu Phe Ser Tyr Pro Leu  
 35                    40                    45

<210> 169  
 <211> 140  
 <212> PRT  
 <213> Homo sapiens

<400> 169  
 Met Phe Ala Gly Leu Phe Phe Leu Phe Val Arg Phe Gly Ile Gly  
 1                    5                    10                    15  
 Arg Gln Leu Leu Ile Lys Phe Pro Trp Phe Phe Ser Phe Gly Tyr Phe  
 20                    25                    30  
 Ser Lys Gln Gly Pro Thr Gln Lys Gln Ile Asp Ala Ala Ser Phe Thr  
 35                    40                    45  
 Leu Thr Phe Phe Gly Gln Gly Tyr Ser Gln Gly Thr Gly Thr Asp Lys  
 50                    55                    60  
 Asn Lys Pro Asn Ile Lys Ile Cys Thr Gln Val Lys Gly Pro Glu Ala  
 65                    70                    75                    80  
 Gly Tyr Val Ala Thr Pro Ile Ala Met Val Gln Ala Ala Met Thr Leu  
 85                    90                    95  
 Leu Ser Asp Ala Ser His Leu Pro Lys Ala Gly Gly Val Phe Thr Pro  
 100                    105                    110  
 Gly Ala Ala Phe Ser Lys Thr Lys Leu Ile Asp Arg Leu Asn Lys His  
 115                    120                    125  
 Gly Ile Glu Phe Ser Val Ile Ser Ser Ser Glu Val  
 130                    135                    140

<210> 170  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<400> 170  
 Met Gln Glu Cys Leu Leu His Gly Cys Cys Cys Tyr Leu Leu Arg Leu  
 1                    5                    10                    15  
 Gly Val Leu Gly Thr Val Gln Cys Ile Ser Thr Trp Leu Ile Leu Thr  
 20                    25                    30  
 Ala Asn Glu Gln His Arg Leu Lys Glu Thr Ser Asn Ser Gln Ser Pro  
 35                    40                    45  
 Ala Val Ser Arg Ala  
 50

<210> 171

<211> 167  
<212> PRT  
<213> Homo sapiens

<400> 171  
Met Cys Gly Phe Leu Ser Leu Gln Ile Met Gly Pro Leu Ile Val Leu  
1 5 10 15  
Val Gly Leu Cys Phe Phe Val Val Ala His Val Lys Lys Arg Asn Thr  
20 25 30  
Leu Asn Ala Gly Gln Asp Ala Ser Glu Arg Glu Glu Gly Gln Ile Gln  
35 40 45  
Ile Met Glu Pro Val Gln Val Thr Val Gly Asp Ser Val Ile Ile Phe  
50 55 60  
Pro Pro Pro Pro Pro Tyr Phe Pro Glu Ser Ser Ala Ser Ala Val  
65 70 75 80  
Ala Glu Ser Pro Gly Thr Asn Ser Leu Leu Pro Asn Glu Asn Pro Pro  
85 90 95  
Ser Tyr Tyr Ser Ile Phe Asn Tyr Gly Thr Pro Thr Ser Glu Gly Ala  
100 105 110  
Ala Ser Glu Arg Asp Cys Glu Ser Ile Tyr Thr Ile Ser Gly Thr Asn  
115 120 125  
Ser Ser Ser Glu Ala Ser His Thr Pro His Leu Pro Ser Glu Leu Pro  
130 135 140  
Pro Arg Tyr Glu Glu Lys Glu Asn Ala Ala Ala Thr Phe Leu Pro Leu  
145 150 155 160  
Ser Ser Glu Pro Ser Pro Pro  
165

<210> 172  
<211> 325  
<212> PRT  
<213> Homo sapiens

<400> 172  
Met Ser Ile Ser Leu Ser Ser Leu Ile Leu Leu Pro Ile Trp Ile Asn  
1 5 10 15  
Met Ala Gln Ile Gln Gln Gly Pro Asp Glu Lys Glu Lys Thr Thr  
20 25 30  
Ala Leu Lys Asp Leu Leu Ser Arg Ile Asp Leu Asp Glu Leu Met Lys  
35 40 45  
Lys Asp Glu Pro Pro Leu Asp Phe Pro Asp Thr Leu Glu Gly Phe Glu  
50 55 60  
Tyr Ala Phe Asn Glu Lys Gly Gln Leu Arg His Ile Lys Thr Gly Glu

65	70	75	80
Pro Phe Val Phe Asn Tyr Arg Glu Asp Leu His Arg Trp Asn Gln Lys			
85		90	95
Arg Tyr Glu Ala Leu Gly Glu Ile Ile Thr Lys Tyr Val Tyr Glu Leu			
100	105		110
Leu Glu Lys Asp Cys Asn Leu Lys Lys Val Ser Ile Pro Val Asp Ala			
115	120		125
Thr Glu Ser Glu Pro Lys Ser Phe Ile Phe Met Ser Glu Asp Ala Leu			
130	135		140
Thr Asn Pro Gln Lys Leu Met Val Leu Ile His Gly Ser Gly Val Val			
145	150	155	160
Arg Ala Gly Gln Trp Ala Arg Arg Leu Ile Ile Asn Glu Asp Leu Asp			
165	170		175
Ser Gly Thr Gln Ile Pro Phe Ile Lys Arg Ala Val Ala Glu Gly Tyr			
180	185		190
Gly Val Ile Val Leu Asn Pro Asn Glu Asn Tyr Ile Glu Val Glu Lys			
195	200		205
Pro Lys Ile His Val Gln Ser Ser Ser Asp Ser Ser Asp Glu Pro Ala			
210	215		220
Glu Lys Arg Glu Arg Lys Asp Lys Val Ser Lys Glu Thr Lys Lys Arg			
225	230	235	240
Arg Asp Phe Tyr Glu Lys Tyr Arg Asn Pro Gln Arg Glu Lys Glu Met			
245	250		255
Met Gln Leu Tyr Ile Arg Glu Asn Gly Ser Pro Glu Glu His Ala Ile			
260	265		270
Tyr Val Trp Asp His Phe Ile Ala Gln Ala Ala Ala Glu Asn Val Phe			
275	280		285
Phe Val Ala His Ser Tyr Gly Gly Leu Ala Phe Val Glu Leu Gln Leu			
290	295		300
Met Ile Lys Gln Ala Asn Ser Asp Ala Gly Lys Cys Phe Arg Leu Ala			
305	310	315	320
Met Trp Lys Asn His			
325			

<210> 173  
<211> 113  
<212> PRT  
<213> *Homo sapiens*

<400> 173  
Met His Pro Pro Leu Thr Pro Pro Thr Pro Leu Cys Leu Trp Leu Arg

1	5	10	15		
Leu	Leu	Lys Ala Gln Ile Leu Ser Tyr Pro Val Pro Arg Phe Glu Thr			
		20	25	30	
His Ser	Leu Ile Ser Arg Cys Ser Gln Val Pro Pro Thr Phe Leu Trp				
		35	40	45	
Asp Ile Lys Lys Gly Val Arg Gly Gln Arg Glu Pro Ser Gly Pro Leu					
		50	55	60	
Leu Pro Tyr Thr Leu His Cys Pro Phe Ser Pro His Gln Asn Ala Gln					
		65	70	75	80
Arg Arg Cys Asp Asp Ala Thr Glu Asp Tyr Ala Thr Trp Ser Asn Arg					
		85	90	95	
Ser Gly Gln His Asp Gln Leu Ser Arg Gly Cys Leu Leu Pro Phe Leu					
		100	105	110	

Leu

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<210> 174
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 174
Met Gly Arg Leu Gly Leu Cys Leu Leu Arg Ser Leu Trp Val Pro Gln
    1           5           10          15

Arg Arg Ala Thr Thr Leu Gly Trp Thr Leu Ala Leu Arg Val Leu Pro
    20          25          30

Thr Ala Arg Ala Xaa Arg Xaa Leu Pro Val Ala Ala Asp Thr Ala Arg
    35          40          45

Arg Ala Cys Gly Ala His Thr Arg Ile Arg Val Leu Gly
    50          55          60

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<210> 175
<211> 41
<212> PRT
<213> Homo sapiens

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&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (41)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 175

Met	Asp	Ile	Asn	Phe	Cys	Leu	Arg	Gly	Arg	His	Gly	Val	Leu	Phe	Cys
1				5					10					15	

Phe	Val	Leu	Phe	Cys	Phe	Cys	His	Leu	Leu	Thr	Val	Leu	Ser	Thr	His
								20	25				30		

Arg	Ala	Phe	Tyr	Tyr	Leu	Ser	Ala	Xaa
								35
								40

&lt;210&gt; 176

&lt;211&gt; 42

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 176

Met	Ile	Lys	Leu	Gln	Lys	Val	Ser	Glu	Val	Ile	Lys	Val	Leu	Lys	Met
1				5					10					15	

Leu	Leu	Tyr	Pro	Leu	Val	Leu	Leu	Ser	Leu	Lys	Leu	Asp	Thr	Lys
				20				25				30		

Ala	Thr	Ile	Phe	Ala	Val	Leu	Glu	Asp	Val
				35				40	

&lt;210&gt; 177

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 177

Met	Tyr	Phe	Phe	Thr	Phe	Tyr	Phe	Ser	Ile	Ser	Ser	Phe	Met	Phe	Phe
1				5					10				15		

Leu	Leu	Val	Ile	Val	Lys	Ala	Thr	Asn	Gly	Pro	Arg	Tyr	Val	Val	Gly
				20				25				30			

Cys	Arg	Arg	Gln	Val	Ile	Leu	Tyr	Ile	Cys	Ile	Val	Pro	Asp	Asp
				35				40				45		

&lt;210&gt; 178

&lt;211&gt; 50

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 178

Met	Ser	Gly	Phe	Lys	Glu	Phe	Asp	Phe	Val	Val	Pro	Trp	Trp	Ser	Ile
1				5					10				15		

Ser	Phe	Leu	Leu	Ser	Phe	Leu	Leu	Leu	Leu	Ser	Phe	Trp	Ser	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

20	25	30
----	----	----

Trp Val Tyr Thr Phe His Gln Ile Trp Asn Ile Phe Gly Tyr Tyr Phe	40	45
35		

Ser Lys		
50		

<210> 179

<211> 227

<212> PRT

<213> Homo sapiens

<400> 179

Met Val Leu Thr Ala Thr Val Leu Asn Val Tyr Ala Ser Ile Phe Leu	15	
1	5	10

Ile Thr Ala Leu Ser Val Ala Arg Tyr Trp Val Val Ala Met Ala Ala	30	
20	25	

Gly Pro Gly Thr His Leu Ser Leu Phe Trp Ala Arg Ile Ala Thr Leu	45	
35	40	

Ala Val Trp Ala Ala Ala Leu Val Thr Val Pro Thr Ala Val Phe	60	
50	55	

Gly Val Glu Gly Glu Val Cys Gly Val Arg Leu Cys Leu Leu Arg Phe	80	
65	70	75

Pro Ser Arg Ser Trp Leu Gly Ala Tyr Gln Leu Gln Arg Val Val Leu	95	
85	90	

Ala Phe Met Val Pro Leu Gly Val Ile Thr Thr Ser Tyr Leu Leu Leu	110	
100	105	

Leu Ala Phe Leu Gln Arg Arg Gln Arg Arg Arg Gln Asp Ser Arg Val	125	
115	120	

Val Ala Arg Ser Val Arg Ile Leu Val Ala Ser Phe Phe Leu Cys Trp	140	
130	135	

Phe Pro Asn His Val Val Thr Leu Trp Gly Val Leu Val Gln Phe Ala	160	
145	150	155

Leu Val Pro Trp Ile Ser Thr Phe Tyr Thr Leu Gln Pro Tyr Val Phe	175	
165	170	

Pro Val Thr Thr Cys Leu Ala His Ser Asn Ser Cys Leu Asn Pro Ile	190	
180	185	

Ala Tyr Val Leu Ser Arg Ile Pro Ala His Trp Arg Pro Leu Leu Val	205	
195	200	

Asp Pro Ser Ser Val Pro Ser Leu Met His Ser Leu Ser Ile His Ser	220	
210	215	

Ala Pro Lys

225

<210> 180  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 180  
Met Phe Arg Ser Ser Ile Ser Leu Met Val Phe Ser Leu Ile Leu Leu  
1 5 10 15  
Leu Thr Thr Glu Arg Arg Ile Leu Ala Cys Pro Pro Ile Ile Leu Asn  
20 25 30  
Ser Ser Ile Phe Leu Ser Asp Leu Ser Val Leu Pro  
35 40

<210> 181  
<211> 46  
<212> PRT  
<213> Homo sapiens

<400> 181  
Met Asn Pro Leu Ser Phe Leu Phe Cys Phe Ile Ile Cys Arg Leu Leu  
1 5 10 15  
Ala Glu Asn Ala Ile Asn Ile Glu Ile Leu Thr Gly Thr Tyr Glu Asn  
20 25 30  
Phe Pro Thr Lys Ala Tyr Tyr Phe Arg Gln Arg Ser Arg Lys  
35 40 45

<210> 182  
<211> 41  
<212> PRT  
<213> Homo sapiens

<400> 182  
Met Ala Ser Leu Leu Arg Thr Cys Cys Val Pro Tyr Ile Val Leu Ser  
1 5 10 15  
Ile Tyr Leu Asp Tyr Leu Ile Lys Ser Ser Gln Ser Leu Tyr Leu Thr  
20 25 30  
Asp Gly Glu Ile Lys Ala His Gly Thr  
35 40

<210> 183  
<211> 47  
<212> PRT  
<213> Homo sapiens

<400> 183  
Met Leu Gln Asp Leu Leu Ser Ala Leu Trp Phe Cys His Pro Cys Cys

1	5	10	15	
Leu Cys Cys Gly Leu Cys Trp Leu Gly Val Asp Ala Gly Cys Ser Gln				
	20	25	30	
Gly Gly Ser Gly Cys Pro Gln Gly Lys Ile Ser Asn Asn Gly Ile				
	35	40	45	
<210> 184				
<211> 70				
<212> PRT				
<213> Homo sapiens				
<400> 184				
Met Lys Phe Ala Pro Val Tyr Met Tyr Leu Ser Phe Ile Cys Leu Cys				
1	5	10	15	
Leu Phe Tyr Cys Asn Ser Ile Asp Thr His His Cys Phe Val Ser Asp				
	20	25	30	
Tyr Leu Ala Phe Glu Ser Ser Met Arg Glu Ala Phe Thr Glu Leu Leu				
	35	40	45	
Ile Leu Ile Lys Gly Glu Ser Asn Val Leu Lys Lys Met Gln Asn His				
	50	55	60	
His Leu Cys Gln Ser Tyr				
	65	70		
<210> 185				
<211> 41				
<212> PRT				
<213> Homo sapiens				
<400> 185				
Met Gly Leu Lys Leu Pro Ile Phe Leu Trp Phe Leu Tyr Phe Phe Ile				
1	5	10	15	
Pro Leu Ser Ser Cys Tyr Leu Leu Leu Pro His Leu Pro Ser Gly				
	20	25	30	
Ser Trp Asp Ser Met Leu Ser Phe Pro				
	35	40		
<210> 186				
<211> 92				
<212> PRT				
<213> Homo sapiens				
<220>				
<221> SITE				
<222> (18)				
<223> Xaa equals any of the naturally occurring L-amino acids				
<400> 186				

Met Ala Gly Cys Leu Gly Ser Tyr Leu Leu Val Met Ile Leu Ile Leu  
 1 5 10 15

Cys Xaa Ala His Phe Phe Ile Cys Gly Asn Glu Asp Asn Arg Val Leu  
 20 25 30

Arg Tyr Asn Leu Glu Gln Cys Pro Ser His Ser Lys His Val Ile Asn  
 35 40 45

Gly Ser Ser Tyr Cys Tyr Tyr Tyr Tyr Tyr Tyr Leu Glu Asp Arg  
 50 55 60

Gly Ser Val Leu Phe Ile Ile Pro Ser Pro Ala Leu Ser Thr Val Pro  
 65 70 75 80

Gly Thr Ile Gln Thr Cys Ile Trp Met Asn Asp Lys  
 85 90

<210> 187  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<400> 187  
 Met Pro Ala Gly Val Pro Met Ser Thr Tyr Leu Lys Met Phe Ala Ala  
 1 5 10 15

Ser Leu Leu Ala Met Cys Ala Gly Ala Glu Val Val His Arg Tyr Tyr  
 20 25 30

Arg Pro Asp Leu Thr Ile Pro Glu Ile Pro Pro Lys Arg Gly Glu Leu  
 35 40 45

Lys Thr Glu Leu Leu Gly Leu Lys Glu Arg Lys His Lys Pro Gln Val  
 50 55 60

Ser Gln Gln Glu Glu Leu Lys  
 65 70

<210> 188  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (23)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (45)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 188  
 Met Ala Gly Phe Ala Ser Tyr Pro Trp Ser Asp Phe Pro Trp Cys Trp

1	5	10	15
Val Val Cys Phe Ser Phe Xaa Phe Phe Leu Arg Gln Ser Glu Ser			
20	25	30	
Leu Ser Gln Lys Lys Arg Gln Val Ala Asp Glu Leu Xaa Phe Gly Gln			
35	40	45	
Ser Lys Arg Asp Ser Asp Gly Gly Trp Met Leu Arg Ser Ser Ala Gly			
50	55	60	

Asn Ser  
65

<210> 189  
<211> 70  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (14)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (21)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 189  
Met Gln Pro Ser Tyr Pro Leu Ser Trp Ser Gly Gly Val Xaa Leu Pro  
1 5 10 15

Cys Leu Ala Ser Xaa Leu Thr Leu Leu Phe Leu Leu Gln Pro Leu Met  
20 25 30

Leu Pro Leu Gly Gly Ser Gln Thr Gln Leu Gly Asn His Ser Val Val  
35 40 45

Arg Leu Leu Leu Pro Val Gln Arg Leu Gly Phe Ala Glu Val Pro Pro  
50 55 60

Leu Glu Val Ala Gln Ser  
65 70

<210> 190  
<211> 40  
<212> PRT  
<213> Homo sapiens

<400> 190  
Met Ile Pro Leu Arg Arg Gly Met Val Gly Gly Leu Leu Leu Leu  
1 5 10 15

Ala Thr Ala Asn Lys Leu Leu Ala Ala Ser Phe Arg Asp Leu Met Asp  
20 25 30

Val Leu Thr Cys Pro Arg Pro Arg  
35 40

<210> 191  
<211> 66  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (36)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 191  
Met Gln His Leu Leu Leu His Ser Leu Cys Leu Ser Cys Ser Thr Met  
1 5 10 15

Ala Arg Asn Val Pro Ala Ser Pro Ser Pro Ser Ala Val Ile Val Ser  
20 25 30

Phe Leu Arg Xaa Pro Gln Pro Cys Phe Leu Tyr Ser Leu Gln Asn Cys  
35 40 45

Glu Ser Ile Lys Pro Leu Phe Phe Ile Asn Ser Pro Val Ser Ser Ser  
50 55 60

Ser Leu  
65

<210> 192  
<211> 66  
<212> PRT  
<213> Homo sapiens

<400> 192  
Met Leu Pro Ser Trp Trp Ala Leu Gly Trp Met Thr Leu Lys Ile Leu  
1 5 10 15

Gln Met Trp Val Gln Ala Cys Thr His Thr Met Glu Tyr Gly His Ser  
20 25 30

Tyr Thr Gly Gly Val Glu Ser Gly Ser Ala Ala Trp His Leu Thr Glu  
35 40 45

Val Gly Pro Lys Arg Thr His Asp Tyr Ala Glu Asn Trp Ile Gly Ser  
50 55 60

Leu Ser  
65

<210> 193  
<211> 48  
<212> PRT  
<213> Homo sapiens

<400> 193  
 Met His Phe Ser Val Ala His Ser Ile Trp Gly Ile Leu Ile Leu Leu  
 1 5 10 15

Ser Leu Tyr Glu Gly Val Ile Ser Trp Val Phe Asn Phe Gln Met Phe  
 20 25 30

Thr Lys Leu Leu Leu Cys Ala Lys His Tyr Ser His Cys Phe Glu Ser  
 35 40 45

<210> 194

<211> 66

<212> PRT

<213> Homo sapiens

<400> 194

Met Ser Leu Ile Leu Leu Gly Ser Pro Ile Ile Pro Leu Trp Ser Tyr  
 1 5 10 15

Thr Ser Ala Thr Gln Ala Ala Ala Leu Val Thr Ser His Val Trp Lys  
 20 25 30

Pro Ser Leu Glu Ala His Gln Ile Asn Ile Ser Pro Glu Pro Ser Ile  
 35 40 45

His Tyr Asp Arg Trp His Thr Gln Ser Asn Cys Ser Leu Ile Asn Ser  
 50 55 60

Leu Gln

65

<210> 195

<211> 57

<212> PRT

<213> Homo sapiens

<400> 195

Met Lys Gln Thr Tyr Trp Gln Thr His Ile Leu Leu Val Leu Thr Leu  
 1 5 10 15

Tyr Phe Ile Val Leu Ala Tyr Ser Pro Phe Leu Arg Phe Leu Leu Arg  
 20 25 30

Asn Ile Gly Thr His Pro Leu Leu Cys Ala Glu Gly Ile Thr Ser Phe  
 35 40 45

Phe Leu Ser Tyr Lys Asn Met Leu Tyr  
 50 55

<210> 196

<211> 52.

<212> PRT  
<213> Homo sapiens

<400> 196  
Met Gly Pro Asn Phe Val Val Leu Cys Leu Asn Leu Leu Gln Asp Thr  
1 5 10 15  
Leu Ala Tyr Ala Thr Ala Leu Leu Asn Glu Lys Glu Gln Ser Gly Ser  
20 25 30  
Ser Asn Gly Ser Glu Ser Ser Pro Ala Asn Glu Asn Gly Asp Arg His  
35 40 45  
Leu Gln Gln Val  
50

<210> 197  
<211> 43  
<212> PRT  
<213> Homo sapiens

<400> 197  
Met Ile Val Ile Ala Val Ser Leu Ser Leu Phe Cys Asp Val Val Ser  
1 5 10 15  
Ser Glu Cys Met Ser Cys Phe Thr Pro Lys Phe Ala Asp Ile Val Ala  
20 25 30  
Asn Ala Tyr Gln Asn Glu Ser Tyr Ile Phe Ile  
35 40

<210> 198  
<211> 52  
<212> PRT  
<213> Homo sapiens

<400> 198  
Met Leu Leu Pro Val Asn Thr Leu Leu Tyr Ile Leu Leu Thr Pro Leu  
1 5 10 15  
Cys Phe Phe Tyr Gly Thr Ser Arg Pro Pro Tyr Leu Glu Leu Val Thr  
20 25 30  
Leu Leu Lys Lys Lys Lys Gln Ser Val Gly Phe Ser Val Cys Ile Leu  
35 40 45  
Glu Ala Gly Arg  
50

<210> 199  
<211> 40  
<212> PRT  
<213> Homo sapiens

<400> 199

Met Ile Ile Val Leu Phe Ser Leu Ser Phe Leu Pro Leu Leu Pro Ser  
 1 5 10 15

Leu Leu Leu Ser Ser Tyr Leu Cys Leu Phe Phe Phe Pro Ser Gln Ser  
 20 25 30

Pro Ser Ser Phe Phe His Leu  
 35 40

&lt;210&gt; 200

&lt;211&gt; 71

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (25)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 200

Met Thr Glu Gly His Val Phe Cys Phe Ala Leu Cys Cys Val Leu Val  
 1 5 10 15

Phe Leu Ser Met Thr Leu Leu Val Xaa Ser Leu Glu Lys Thr Asn Ala  
 20 25 30

Gly Gly Val Ile Ala Trp Gly Cys Ile Ser Val Ser Val Gln Thr Gln  
 35 40 45

Thr Phe Ser Ser Pro Thr Ser Tyr Gln Thr Leu Phe Ile Ala Cys Lys  
 50 55 60

Leu Trp Asn Pro Arg Lys Leu  
 65 70

&lt;210&gt; 201

&lt;211&gt; 59

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (37)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 201

Met Ile Gly Leu Thr Ile Ile Ala Cys Phe Ala Val Ile Val Ser Ala  
 1 5 10 15

Lys Arg Ala Val Glu Arg His Glu Ser Leu Thr Ser Trp Asn Leu Ala  
 20 25 30

Lys Lys Ala Lys Xaa Arg Glu Glu Ala Ala Leu Ala Ala Gln Ala Lys  
 35 40 45

Ala Asn Asp Ile Leu Ser Asp Lys Val Phe Thr

50

55

<210> 202  
<211> 80  
<212> PRT  
<213> Homo sapiens

<400> 202  
Met Leu Thr Gly Ser His Pro Gln Thr His Thr Cys Trp Leu Gly Thr  
1 5 10 15  
Arg Leu Trp Val Val Leu Ser Cys Leu Ala Ser Leu Thr Val Ser Asp  
20 25 30  
Cys Pro Glu His Gln Val Ser Ser Cys Ile Ser Ser Trp Pro Gly Glu  
35 40 45  
His Ser Val Ser Phe Gln Pro Phe Pro Pro Phe Pro His Ser Leu Gly  
50 55 60  
Gly Thr Glu Val Gly Val Glu Glu Ser Gln Met Ala Gly Val Gly Ile  
65 70 75 80

<210> 203  
<211> 70  
<212> PRT  
<213> Homo sapiens

<400> 203  
Met Ile Ser Gly Val Leu Ile Phe Asn Leu Ile Ala Ser Ser Trp Val  
1 5 10 15  
Leu Cys Phe Pro Leu Cys Asp Leu Ser Cys Gln Lys Thr Leu Arg Ile  
20 25 30  
Phe Phe Ala Ser Phe Phe His Ala Val Cys Val His Val Ser Cys Thr  
35 40 45  
Ser Trp Gln Pro Leu Val Leu Phe Ile Lys Trp Trp Val Val Gly Cys  
50 55 60  
Ser Pro Ala Val Ser Leu  
65 70

<210> 204  
<211> 78  
<212> PRT  
<213> Homo sapiens

<400> 204  
Met Leu His Met Phe Leu Leu Leu Tyr Phe Phe Lys Asn Ser Lys  
1 5 10 15

Ser Leu Phe Met Cys His Trp Ile Asn Leu Ser Asp Asn Val Ser His  
 20 25 30

Lys Asn Leu Leu Asp Arg Leu Phe Phe Ser Cys Thr Leu Asn Gly Gly  
 35 40 45

Val Glu Val Ser Gly Glu Gln Trp Ile Thr Lys Ser Lys Leu Trp Lys  
 50 55 60

Ile Val Lys Arg Met Glu Lys Leu Asn Thr Arg Tyr Gln Lys  
 65 70 75

<210> 205

<211> 115

<212> PRT

<213> Homo sapiens

<400> 205

Met Cys Met Ser Val Gly Ala His Ile Cys Val Cys Val Cys Met Cys  
 1 5 10 15

Val Leu His Val Cys Gly Glu Val Ser Ser Val Arg Ala Cys Asp Ser  
 20 25 30

Trp Asp Leu His Ser Cys Val Leu Pro Gln Arg Pro Gln Pro Gly Gln  
 35 40 45

Ala Leu Thr Phe Cys Ala Pro Cys Ile Glu Pro Val Cys Cys Gly Cys  
 50 55 60

Leu Trp Pro Pro Met Gly Asn Ser Gly Glu Leu Ala Gly Gly Cys Ala  
 65 70 75 80

Gln Ser Pro Gly Cys Cys Tyr Cys His Ser Ala Gln Leu Gly Gln Ala  
 85 90 95

Val Ala Pro Glu Gly Val Arg Arg Glu Leu Trp Glu His Leu Tyr Ser  
 100 105 110

Val Leu Lys

115

<210> 206

<211> 50

<212> PRT

<213> Homo sapiens

<400> 206

Met Pro Gly Cys Trp Val Leu Glu Leu Val Asp His Trp Leu Ala Ser  
 1 5 10 15

Leu Trp Leu Val Val Ala Val Thr Glu Cys Ala Ala Arg Pro Glu Trp  
 20 25 30

Leu Phe Trp Leu Cys Pro Pro Ser Cys Ser Met Pro Gly Gly Gly

35

40

45

Asp Thr  
50

<210> 207  
<211> 57  
<212> PRT  
<213> Homo sapiens

<400> 207  
Met Lys Phe Tyr Ala Val Leu Leu Ser Ile Cys Leu Leu Ser Cys  
1 5 10 15

Trp Cys Ala Cys His Val Arg Asp Cys Asn Leu Ile Cys Leu Phe Ser  
20 25 30

Thr Val Lys Ala Ile Thr Arg Glu Leu Leu Gln Leu Pro Ser Tyr Val  
35 40 45

Lys Arg Phe Phe Asn Ser Leu Arg  
50 55

<210> 208  
<211> 56  
<212> PRT  
<213> Homo sapiens

<400> 208  
Met Leu Val Ala Pro Phe Asn Leu Leu Phe Glu Met Ala Pro Phe Asn  
1 5 10 15

Ile Phe Leu Phe Pro Gln Trp Gly Leu Leu Trp Leu Met Leu Tyr Leu  
20 25 30

Leu Tyr Val Phe Gln Ala Ser Leu Arg Thr Pro Glu Leu Thr Trp Glu  
35 40 45

Arg Val Arg Ser Gln Val Asp Gln  
50 55

<210> 209  
<211> 49  
<212> PRT  
<213> Homo sapiens

<400> 209  
Met Leu Leu Thr Cys Ile Leu Leu His Leu Trp Ile Val Val Asp Ser  
1 5 10 15

Val Ile Tyr Met Lys Pro Thr Ser Arg Asp Gly Cys Leu Leu Ser Ala  
20 25 30

Leu Gln Met Ala Arg Ser Leu Ile Ile Gln Leu Asn His Ser Ser Ser  
35 40 45

Asn

<210> 210  
<211> 44  
<212> PRT  
<213> Homo sapiens

<400> 210  
Met Pro Leu Cys Gly Leu Tyr Cys Leu Arg Ile Leu Met Phe Pro Leu  
1 5 10 15  
Arg Ser Ala Asn Ser Val Pro Leu Gln Cys Leu Pro Pro Ser Ser Leu  
20 25 30  
Ala Asn Lys Asp Ser His Phe Arg Ala Pro Arg Lys  
35 40

<210> 211  
<211> 44  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (18)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 211  
Met Ser Pro Ser Pro Arg Trp Gly Phe Leu Cys Val Leu Phe Thr Ala  
1 5 10 15  
Val Xaa Pro Ala Pro Ser Thr Ala Xaa Val Gln Asp Lys Cys Pro Val  
20 25 30  
Asn Thr Trp Glu Ala Met Gln Ala Cys Val His Gly  
35 40

<210> 212  
<211> 160  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (136)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 212

Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ser Leu Val Leu  
 1 5 10 15

Cys Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp  
 20 25 30

Glu Leu Arg Thr Asp Phe Lys Ser Pro Ile Asp Gln Cys Asn Pro Val  
 35 40 45

His Ala Arg Glu Arg Leu Arg Asn Ile Glu Arg Ile Cys Phe Leu Leu  
 50 55 60

Arg Lys Leu Val Leu Pro Glu Tyr Ser Ile His Ser Leu Phe Cys Ile  
 65 70 75 80

Met Phe Leu Cys Ala Gln Glu Trp Leu Thr Leu Gly Leu Asn Val Pro  
 85 90 95

Leu Leu Phe Tyr His Phe Trp Arg Tyr Phe His Cys Pro Ala Asp Ser  
 100 105 110

Ser Glu Leu Ala Tyr Asp Pro Pro Val Val Met Asn Ala Asp Thr Leu  
 115 120 125

Ser Tyr Cys Gln Lys Glu Ala Xaa Cys Lys Leu Ala Phe Tyr Leu Leu  
 130 135 140

Ser Phe Phe Tyr Tyr Leu Tyr Cys Met Ile Tyr Thr Leu Val Ser Ser  
 145 150 155 160

<210> 213  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

<400> 213  
 Met Tyr Arg Glu Arg Leu Arg Thr Leu Leu Val Ile Ala Val Val Met  
 1 5 10 15

Ser Leu Leu Asn Ala Leu Ser Thr Ser Gly Gly Ser Ile Ser Trp Asn  
 20 25 30

Asp Phe Val His Glu Met Leu Ala Lys Gly Glu Val Gln Arg Val Gln  
 35 40 45

Val Val Pro Glu Ser Asp Val Val Glu Val Tyr Leu His Pro Gly Ala  
 50 55 60

Val Val Phe Gly Arg Pro Arg Leu Ala Leu Met Tyr Arg Met Gln Val  
 65 70 75 80

Ala Asn Ile Asp Lys Phe Glu Glu Lys Leu Arg Ala Ala Glu Asp Glu  
 85 90 95

Leu Asn Ile Glu Ala Lys Asp Arg Ile Pro Val Ser Tyr Lys Arg Thr  
 100 105 110

Gly Phe Phe Gly Lys Cys Pro Val Leu Cys Gly Asp Asp Gly Ser Gly  
 115 120 125

Pro Gly His Pro Val Val Cys Phe Pro Ser Gly Arg Asp Asp Trp Arg  
 130 135 140

His Arg Arg Arg Trp Thr Ser Arg Ser Arg Leu Leu Cys Trp Lys Ala  
 145 150 155 160

Leu Met Gly Ser Val Gly Ala Asp His Thr Arg Glu Leu Arg Lys Pro  
 165 170 175

Ser Gly Ser His Arg Pro Pro Phe Asn Val Val Ile Pro Trp Trp Trp  
 180 185 190

Lys Gln Asp Asp Gly Pro  
 195

<210> 214

<211> 59

<212> PRT

<213> Homo sapiens

<400> 214

Met Asn Ser Thr Leu Cys Val Val Leu Ser Leu Met Cys Met Asn Ser  
 1 5 10 15

Thr Leu Cys Val Val Leu Ser Leu Thr His Ser Cys Pro Ser Pro Gln  
 20 25 30

Val Pro Lys Val His Tyr Met Ile Phe Met Pro Leu His Leu His Ser  
 35 40 45

Leu Ala Leu Thr Gln Leu Ile Ile Ile Tyr Lys  
 50 55

<210> 215

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 215

Met Gly Cys Ile Pro Leu Ile Lys Ser Ile Ser Asp Trp Arg Val Ile  
 1 5 10 15

Ala Leu Ala Ala Leu Trp Phe Cys Leu Ile Gly Leu Ile Cys Gln Ala  
 20 25 30

Leu Cys Ser Glu Asp Gly His Lys Arg Arg Ile Leu Thr Leu Gly Leu  
 35 40 45

Gly Phe Leu Val Ile Pro Phe Leu Pro Ala Ser Asn Leu Phe Phe Arg  
 50 55 60

Val Gly Phe Val Val Ala Xaa Cys Ser Ser Thr Ser Pro Ala Leu Gly  
 65 70 75 80

Thr Val Cys Cys

<210> 216  
 <211> 81  
 <212> PRT  
 <213> Homo sapiens

<400> 216  
 Met Val Val Ala Gly Val Val Val Leu Ile Leu Ala Leu Val Leu Ala  
 1 5 10 15

Trp Leu Ser Thr Tyr Val Ala Asp Ser Gly Ser Asn Gln Leu Leu Gly  
 20 25 30

Ala Ile Val Ser Ala Gly Asp Thr Ser Val Leu His Leu Gly His Val  
 35 40 45

Asp His Leu Val Ala Gly Gln Gly Asn Pro Glu Pro Thr Glu Leu Pro  
 50 55 60

His Pro Ser Glu Asp Lys Gln Val Gln Ala Ala Val Gln Arg Pro  
 65 70 75 80

Pro

<210> 217  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<400> 217  
 Met Met Val Trp Asn Leu Phe Pro Cys Phe Pro Pro Leu Leu Leu  
 1 5 10 15

Gln Phe Ile Asp Cys Gln Gln Ser Ser Glu Ile Glu Gln Gly Phe Thr  
 20 25 30

Arg Ser Leu Leu Gly His Pro Ile Phe Phe Cys Pro Asp Pro Cys Trp  
 35 40 45

Gln Ser Cys Met Asn Cys Val Ile Leu Leu Ser Ala Phe Phe Leu  
 50 55 60

Phe Asp Lys Met Asp Ile Lys Asn Ser Cys Cys Ala Lys Val Ser Ser  
 65 70 75 80

Leu Leu Gln Glu Glu Asn Gln Phe Phe Phe  
 85 90

<210> 218  
 <211> 335  
 <212> PRT  
 <213> Homo sapiens

<400> 218  
 Met Lys Lys Glu Leu Pro Val Asp Ser Cys Leu Pro Arg Ser Leu Glu  
 1 5 10 15

Leu His Pro Gln Lys Met Asp Pro Lys Arg Gln His Ile Gln Leu Leu  
 20 25 30

Ser Ser Leu Thr Glu Cys Leu Thr Val Asp Pro Leu Ser Ala Ser Val  
 35 40 45

Trp Arg Gln Leu Tyr Pro Lys His Leu Ser Gln Ser Ser Leu Leu Leu  
 50 55 60

Glu His Leu Leu Ser Ser Trp Glu Gln Ile Pro Lys Lys Val Gln Lys  
 65 70 75 80

Ser Leu Gln Glu Thr Ile Gln Ser Leu Lys Leu Thr Asn Gln Glu Leu  
 85 90 95

Leu Arg Lys Gly Ser Ser Asn Asn Gln Asp Val Val Thr Cys Asp Met  
 100 105 110

Ala Cys Lys Gly Leu Leu Gln Gln Val Gln Gly Pro Arg Leu Pro Trp  
 115 120 125

Thr Arg Leu Leu Leu Leu Val Phe Ala Val Gly Phe Leu Cys  
 130 135 140

His Asp Leu Arg Ser His Ser Ser Phe Gln Ala Ser Leu Thr Gly Arg  
 145 150 155 160

Leu Leu Arg Ser Ser Gly Phe Leu Pro Ala Ser Gln Gln Ala Cys Ala  
 165 170 175

Lys Leu Tyr Ser Tyr Ser Leu Gln Gly Tyr Ser Trp Leu Gly Glu Thr  
 180 185 190

Leu Pro Leu Trp Gly Ser His Leu Leu Thr Val Val Arg Pro Ser Leu  
 195 200 205

Gln Leu Ala Trp Ala His Thr Asn Ala Thr Val Ser Phe Leu Ser Ala  
 210 215 220

His Cys Ala Ser His Leu Ala Trp Phe Gly Asp Ser Leu Thr Ser Leu  
 225 230 235 240

Ser Gln Arg Leu Gln Ile Gln Leu Pro Asp Ser Val Asn Gln Leu Leu  
 245 250 255

Arg Tyr Leu Arg Glu Leu Pro Leu Leu Phe His Gln Asn Val Leu Leu  
 260 265 270

Pro Leu Trp His Leu Leu Leu Glu Ala Leu Ala Trp Ala Gln Glu His  
 275 280 285

Cys His Glu Ala Cys Arg Gly Glu Val Thr Trp Asp Cys Met Lys Thr  
 290 295 300

Gln Leu Ser Glu Ala Val His Trp Thr Trp Leu Cys Leu Gln Asp Ile  
 305 310 315 320

Thr Val Ala Phe Leu Asp Trp Ala Leu Ala Leu Ile Ser Gln Gln  
 325 330 335

<210> 219

<211> 229

<212> PRT

<213> Homo sapiens

<400> 219

Met Asp Pro Asp Arg Ala Phe Ile Cys Gly Glu Ser Arg Gln Phe Ala  
 1 5 10 15

Gln Cys Leu Ile Phe Gly Phe Leu Phe Leu Thr Ser Gly Met Leu Ile  
 20 25 30

Ser Val Leu Gly Ile Trp Val Pro Gly Cys Gly Ser Asn Trp Ala Gln  
 35 40 45

Glu Pro Leu Asn Glu Thr Asp Thr Gly Asp Ser Glu Pro Arg Met Cys  
 50 55 60

Gly Phe Leu Ser Leu Gln Ile Met Gly Pro Leu Ile Val Leu Val Gly  
 65 70 75 80

Leu Cys Phe Phe Val Val Ala His Val Lys Lys Arg Asn Thr Leu Asn  
 85 90 95

Ala Gly Gln Asp Ala Ser Glu Arg Glu Glu Gly Gln Ile Gln Ile Met  
 100 105 110

Glu Pro Val Gln Val Thr Val Gly Asp Ser Val Ile Ile Phe Pro Pro  
 115 120 125

Pro Pro Pro Pro Tyr Phe Pro Glu Ser Ser Ala Ser Ala Val Ala Glu  
 130 135 140

Ser Pro Gly Thr Asn Ser Leu Leu Pro Asn Glu Asn Pro Pro Ser Tyr  
 145 150 155 160

Tyr Ser Ile Phe Asn Tyr Gly Thr Pro Thr Ser Glu Gly Ala Ala Ser  
 165 170 175

Glu Arg Asp Cys Glu Ser Ile Tyr Thr Ile Ser Gly Thr Asn Ser Ser  
 180 185 190

Ser Glu Ala Ser His Thr Pro His Leu Pro Ser Glu Leu Pro Pro Arg  
 195 200 205

Tyr Glu Glu Lys Glu Asn Ala Ala Ala Thr Phe Leu Pro Leu Ser Ser  
 210 215 220

Glu Pro Ser Pro Pro  
 225

<210> 220

<211> 62

<212> PRT

<213> Homo sapiens

<400> 220

Met Ser Ile Ser Leu Ser Ser Leu Ile Leu Leu Pro Ile Trp Ile Asn  
 1 5 10 15

Met Ala Gln Ile Gln Gln Gly Gly Pro Asp Glu Lys Glu Lys Thr Thr  
 20 25 30

Ala Leu Lys Asp Leu Leu Ser Arg Ile Asp Leu Asp Glu Leu Met Lys  
 35 40 45

Lys Asp Glu Pro Pro Leu Asp Phe Leu Ile Pro Trp Lys Val  
 50 55 60

<210> 221

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 221

Met Ala Ala Gly Pro Gly Thr His Leu Ser Leu Phe Trp Ala Arg Ile  
 1 5 10 15

Ala Thr Leu Ala Val Trp Ala Ala Ala Leu Val Thr Val Pro Thr  
 20 25 30

Ala Val Phe Gly Val Glu Gly Glu Val Cys Gly Val Arg Leu Cys Leu  
 35 40 45

Leu Arg Phe Pro Ser Arg Tyr Trp Leu Gly Ala Tyr Gln Leu Gln Arg  
 50 55 60

Val Val Leu Ala Phe Met Val Pro Leu Gly Val Ile Thr Thr Ser Tyr  
 65 70 75 80

Leu Leu Leu Ala Phe Leu Gln Arg Arg Gln Arg Arg Arg Gln Asp  
 85 90 95

Ser Arg Val Val Ala Arg Ser Val Arg Ile Leu Val Ala Ser Phe Phe  
 100 105 110

Leu Cys Trp Phe Pro Asn His Val Val Thr Leu Trp Gly Val Leu Val  
 115 120 125

Lys Phe Asp Leu Val Pro Trp Asn Ser Thr Phe Tyr Thr Ile Gln Thr  
 130 135 140

Tyr Val Phe Pro Val Thr Thr Cys Leu Ala His Ser Asn Ser Cys Leu  
 145 150 155 160

Asn Pro Xaa Ala Tyr Val Leu Ser Arg Ile  
 165 170

<210> 222

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 222

Met Ala Gly Cys Leu Gly Ser Tyr Leu Leu Val Met Ile Leu Ile Leu  
 1 5 10 15

Cys Xaa Ala His Phe Phe Ile Cys Gly Asn Glu Asp Asn Arg Val Leu  
 20 25 30

Arg Tyr Asn Leu Xaa Thr Met Ser Val Thr  
 35 40

<210> 223

<211> 56

<212> PRT

<213> Homo sapiens

<400> 223

Met Cys Ile Ser Gly Cys Leu Phe His Cys Ser Ile Cys Leu Phe Phe  
 1 5 10 15

Met Leu Val Pro Tyr Cys Phe Asp Tyr Cys Leu Val Met Tyr Phe Glu  
 20 25 30

Ile Lys Thr Cys Gly Tyr Leu Leu Cys Ser Pro Cys Gln Asp Tyr  
 35 40 45

Ser Arg Ser Phe Val Ala Ser Ser  
50 55

<210> 224  
<211> 96  
<212> PRT  
<213> Homo sapiens

<400> 224  
Met Tyr Arg Glu Arg Leu Arg Thr Leu Leu Val Ile Ala Val Val Met  
1 5 10 15  
Ser Leu Leu Asn Ala Leu Ser Thr Ser Gly Gly Ser Ile Ser Trp Asn  
20 25 30  
Asp Phe Val His Glu Met Leu Ala Lys Gly Glu Val Gln Arg Val Gln  
35 40 45  
Val Val Pro Glu Ser Asp Val Val Glu Val Tyr Leu His Pro Gly Ala  
50 55 60  
Val Val Phe Gly Arg Pro Arg Leu Ala Leu Met Tyr Arg Met Gln Leu  
65 70 75 80  
Gln Ile Leu Thr Ser Leu Lys Arg Ser Phe Glu Gln Leu Lys Met Ser  
85 90 95

<210> 225  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 225  
Trp Ala Gly Thr Gln Glu Pro Thr Gly Leu Pro Ser Thr Leu Ser Arg  
1 5 10 15  
Ser Glu Ser Trp Asp His  
20

<210> 226  
<211> 171  
<212> PRT  
<213> Homo sapiens

<400> 226  
Glu Ile Ile His Asn Leu Pro Thr Ser Arg Met Ala Ala Arg Thr Lys  
1 5 10 15  
Lys Lys Asn Asp Ile Ile Asn Ile Lys Val Pro Ala Asp Cys Asn Thr  
20 25 30  
Arg Met Ser Tyr Tyr Tyr Lys Gly Ser Gly Lys Arg Gly Glu Met Glu

35	40	45
Ser Trp Leu Val Met Ser Ser Trp Ser Ile Leu Asp Phe Glu Phe Leu		
50	55	60
Glu Ala Arg Pro Gln Leu Phe Asn Leu Val Tyr Thr Glu His Ser Thr		
65	70	75
Tyr Ser Gly Arg His Tyr Thr Arg Glu Arg Gly Gly Phe Met Val Phe		
85	90	95
Lys Asn Ser Tyr Ser Gln Leu Leu Lys Arg Lys Asp Ser Leu Cys		
100	105	110
Ala Phe Ile Gln Pro Met Ala Leu Asn Ile Ile His Val Pro Met Ser		
115	120	125
Ser Lys Cys Ile Phe Pro Ala Gln Ser Gly Pro Ser Thr Phe Arg Ser		
130	135	140
Leu Trp Trp Cys Pro His Pro Ile Ser Lys Cys Gln Leu Gly Leu Tyr		
145	150	155
Ser Ser Gln Ile Arg Asp Ile Pro Tyr Leu Ala		
165	170	

<210> 227  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 227  
 Glu Ile Ile His Asn Leu Pro Thr Ser Arg Met Ala Ala Arg Thr Lys  
 1               5               10               15  
 Lys Lys Asn Asp Ile Ile Asn Ile Lys Val Pro Ala Asp Cys Asn Thr  
 20              25              30

Arg Met Ser  
 35

<210> 228  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 228  
 Tyr Tyr Tyr Lys Gly Ser Gly Lys Arg Gly Glu Met Glu Ser Trp Leu  
 1               5               10               15  
 Val Met Ser Ser Trp Ser Ile Leu Asp Phe Glu Phe Leu Glu Ala Arg  
 20              25              30

Pro Gln Leu Phe  
 35

<210> 229  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 229  
Asn Leu Val Tyr Thr Glu His Ser Thr Tyr Ser Gly Arg His Tyr Thr  
1 5 10 15

Arg Glu Arg Gly Gly Phe Met Val Phe Lys Asn Ser Tyr Ser Gln Leu  
20 25 30

Leu Leu Lys Arg  
35

<210> 230  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 230  
Lys Asp Ser Leu Cys Ala Phe Ile Gln Pro Met Ala Leu Asn Ile Ile  
1 5 10 15

His Val Pro Met Ser Ser Lys Cys Ile Phe Pro Ala Gln Ser Gly Pro  
20 25 30

Ser Thr Phe  
35

<210> 231  
<211> 29  
<212> PRT  
<213> Homo sapiens

<400> 231  
Arg Ser Leu Trp Trp Cys Pro His Pro Ile Ser Lys Cys Gln Leu Gly  
1 5 10 15

Leu Tyr Ser Ser Gln Ile Arg Asp Ile Pro Tyr Leu Ala  
20 25

<210> 232  
<211> 533  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (473)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 232  
Glu Ala Cys Gly Ala Ala Ala Met Ala Ala Leu Thr Ile Ala Thr Gly

1	5	10	15
Thr Gly Asn Trp Phe Ser Ala Leu Ala Leu Gly Val Thr Leu Leu Lys			
20	25	30	
Cys Leu Leu Ile Pro Thr Tyr His Ser Thr Asp Phe Glu Val His Arg			
35	40	45	
Asn Trp Leu Ala Ile Thr His Ser Leu Pro Ile Ser Gln Trp Tyr Tyr			
50	55	60	
Glu Ala Thr Ser Glu Trp Thr Leu Asp Tyr Pro Pro Phe Phe Ala Trp			
65	70	75	80
Phe Glu Tyr Ile Leu Ser His Val Ala Lys Tyr Phe Asp Gln Glu Met			
85	90	95	
Leu Asn Val His Asn Leu Asn Tyr Ser Ser Ser Arg Thr Leu Leu Phe			
100	105	110	
Gln Arg Phe Ser Val Ile Phe Met Asp Val Leu Phe Val Tyr Ala Val			
115	120	125	
Arg Glu Cys Cys Lys Cys Ile Asp Gly Lys Lys Val Gly Lys Glu Leu			
130	135	140	
Thr Glu Lys Pro Lys Phe Ile Leu Ser Val Leu Leu Leu Trp Asn Phe			
145	150	155	160
Gly Leu Leu Ile Val Asp His Ile His Phe Gln Tyr Asn Gly Phe Leu			
165	170	175	
Phe Gly Leu Met Leu Leu Ser Ile Ala Arg Leu Phe Gln Lys Arg His			
180	185	190	
Met Glu Gly Ala Phe Leu Phe Ala Val Leu Leu His Phe Lys His Ile			
195	200	205	
Tyr Leu Tyr Val Ala Pro Ala Tyr Gly Val Tyr Leu Leu Arg Ser Tyr			
210	215	220	
Cys Phe Thr Ala Asn Lys Pro Asp Gly Ser Ile Arg Trp Lys Ser Phe			
225	230	235	240
Ser Phe Val Arg Val Ile Ser Leu Gly Leu Val Val Phe Leu Val Ser			
245	250	255	
Ala Leu Ser Leu Gly Pro Phe Leu Ala Leu Asn Gln Leu Pro Gln Val			
260	265	270	
Phe Ser Arg Leu Phe Pro Phe Lys Arg Gly Leu Cys His Ala Tyr Trp			
275	280	285	
Ala Pro Asn Phe Trp Ala Leu Tyr Asn Ala Leu Asp Lys Val Leu Ser			
290	295	300	
Val Ile Gly Leu Lys Leu Lys Phe Leu Asp Pro Asn Asn Ile Pro Lys			
305	310	315	320

Ala Ser Met Thr Ser Gly Leu Val Gln Gln Phe Gln His Thr Val Leu  
 325 330 335  
 Pro Ser Val Thr Pro Leu Ala Thr Leu Ile Cys Thr Leu Ile Ala Ile  
 340 345 350  
 Leu Pro Ser Ile Phe Cys Leu Trp Phe Lys Pro Gln Gly Pro Arg Gly  
 355 360 365  
 Phe Leu Arg Cys Leu Thr Leu Cys Ala Leu Ser Ser Phe Met Phe Gly  
 370 375 380  
 Trp His Val His Glu Lys Ala Ile Leu Leu Ala Ile Leu Pro Met Ser  
 385 390 395 400  
 Leu Leu Ser Val Gly Lys Ala Gly Asp Ala Ser Ile Phe Leu Ile Leu  
 405 410 415  
 Thr Thr Thr Gly His Tyr Ser Leu Phe Pro Leu Leu Phe Thr Ala Pro  
 420 425 430  
 Glu Leu Pro Ile Lys Ile Leu Leu Met Leu Leu Phe Thr Ile Tyr Ser  
 435 440 445  
 Ile Ser Ser Leu Lys Thr Leu Phe Arg Lys Glu Lys Pro Leu Phe Asn  
 450 455 460  
 Trp Met Glu Thr Phe Tyr Leu Leu Xaa Leu Gly Pro Leu Glu Val Cys  
 465 470 475 480  
 Cys Glu Phe Val Phe Pro Phe Thr Ser Trp Lys Val Lys Tyr Pro Phe  
 485 490 495  
 Ile Pro Leu Leu Leu Thr Ser Val Tyr Cys Ala Val Gly Ile Thr Tyr  
 500 505 510  
 Ala Trp Phe Lys Leu Tyr Val Ser Val Leu Ile Asp Ser Ala Ile Gly  
 515 520 525  
 Lys Thr Lys Lys Gln  
 530  
  
 <210> 233  
 <211> 460  
 <212> PRT  
 <213> Homo sapiens  
  
 <400> 233  
 Met Phe Thr Ile Lys Leu Leu Phe Ile Val Pro Leu Val Ile Ser  
 1 5 10 15  
  
 Ser Arg Ile Asp Gln Asp Asn Ser Ser Phe Asp Ser Leu Ser Pro Glu  
 20 25 30  
  
 Pro Lys Ser Arg Phe Ala Met Leu Asp Asp Val Lys Ile Leu Ala Asn  
 35 40 45

Gly Leu Leu Gln Leu Gly His Gly Leu Lys Asp Phe Val His Lys Thr  
 50 55 60

Lys Gly Gln Ile Asn Asp Ile Phe Gln Lys Leu Asn Ile Phe Asp Gln  
 65 70 75 80

Ser Phe Tyr Asp Leu Ser Leu Gln Thr Ser Glu Ile Lys Glu Glu Glu  
 85 90 95

Lys Glu Leu Arg Arg Thr Thr Tyr Lys Leu Gln Val Lys Asn Glu Glu  
 100 105 110

Val Lys Asn Met Ser Leu Glu Leu Asn Ser Lys Leu Glu Ser Leu Leu  
 115 120 125

Glu Glu Lys Ile Leu Leu Gln Gln Lys Val Lys Tyr Leu Glu Glu Gln  
 130 135 140

Leu Thr Asn Leu Ile Gln Asn Gln Pro Glu Thr Pro Glu His Pro Glu  
 145 150 155 160

Val Thr Ser Leu Lys Thr Phe Val Glu Lys Gln Asp Asn Ser Ile Lys  
 165 170 175

Asp Leu Leu Gln Thr Val Glu Asp Gln Tyr Lys Gln Leu Asn Gln Gln  
 180 185 190

His Ser Gln Ile Lys Glu Ile Glu Asn Gln Leu Arg Arg Thr Ser Ile  
 195 200 205

Gln Glu Pro Thr Glu Ile Ser Leu Ser Ser Lys Pro Arg Ala Pro Arg  
 210 215 220

Thr Thr Pro Phe Leu Gln Leu Asn Glu Ile Arg Asn Val Lys His Asp  
 225 230 235 240

Gly Ile Pro Ala Glu Cys Thr Thr Ile Tyr Asn Arg Gly Glu His Thr  
 245 250 255

Ser Gly Met Tyr Ala Ile Arg Pro Ser Asn Ser Gln Val Phe His Val  
 260 265 270

Tyr Cys Asp Val Ile Ser Gly Ser Pro Trp Thr Leu Ile Gln His Arg  
 275 280 285

Ile Asp Gly Ser Gln Asn Phe Asn Glu Thr Trp Glu Asn Tyr Lys Tyr  
 290 295 300

Gly Phe Gly Arg Leu Asp Gly Glu Phe Trp Leu Gly Leu Glu Lys Ile  
 305 310 315 320

Tyr Ser Ile Val Lys Gln Ser Asn Tyr Val Leu Arg Ile Glu Leu Glu  
 325 330 335

Asp Trp Lys Asp Asn Lys His Tyr Ile Glu Tyr Ser Phe Tyr Leu Gly  
 340 345 350

Asn His Glu Thr Asn Tyr Thr Leu His Leu Val Ala Ile Thr Gly Asn  
 355 360 365

Val Pro Asn Ala Ile Pro Glu Asn Lys Asp Leu Val Phe Ser Thr Trp  
 370 375 380

Asp His Lys Ala Lys Gly His Phe Asn Cys Pro Glu Gly Tyr Ser Gly  
 385 390 395 400

Gly Trp Trp Trp His Asp Glu Cys Gly Glu Asn Asn Leu Asn Gly Lys  
 405 410 415

Tyr Asn Lys Pro Arg Ala Lys Ser Lys Pro Glu Arg Arg Arg Gly Leu  
 420 425 430

Ser Trp Lys Ser Gln Asn Gly Arg Leu Tyr Ser Ile Lys Ser Thr Lys  
 435 440 445

Met Leu Ile His Pro Thr Asp Ser Glu Ser Phe Glu  
 450 455 460

<210> 234

<211> 37

<212> PRT

<213> Homo sapiens

<400> 234

Met Phe Thr Ile Lys Leu Leu Phe Ile Val Pro Leu Val Ile Ser  
 1 5 10 15

Ser Arg Ile Asp Gln Asp Asn Ser Ser Phe Asp Ser Leu Ser Pro Glu  
 20 25 30

Pro Lys Ser Arg Phe

35

<210> 235

<211> 34

<212> PRT

<213> Homo sapiens

<400> 235

Ala Met Leu Asp Asp Val Lys Ile Leu Ala Asn Gly Leu Leu Gln Leu  
 1 5 10 15

Gly His Gly Leu Lys Asp Phe Val His Lys Thr Lys Gly Gln Ile Asn  
 20 25 30

Asp Ile

<210> 236

<211> 35

<212> PRT

<213> Homo sapiens

&lt;400&gt; 236

Phe Gln Lys Leu Asn Ile Phe Asp Gln Ser Phe Tyr Asp Leu Ser Leu  
 1                   5                   10                   15

Gln Thr Ser Glu Ile Lys Glu Glu Glu Lys Glu Leu Arg Arg Thr Thr  
 20                   25                   30

Tyr Lys Leu  
 35

&lt;210&gt; 237

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 237

Gln Val Lys Asn Glu Glu Val Lys Asn Met Ser Leu Glu Leu Asn Ser  
 1                   5                   10                   15

Lys Leu Glu Ser Leu Leu Glu Glu Lys Ile Leu Leu Gln Gln Lys Val  
 20                   25                   30

Lys Tyr Leu Glu  
 35

&lt;210&gt; 238

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 238

Glu Gln Leu Thr Asn Leu Ile Gln Asn Gln Pro Glu Thr Pro Glu His  
 1                   5                   10                   15

Pro Glu Val Thr Ser Leu Lys Thr Phe Val Glu Lys Gln Asp Asn Ser  
 20                   25                   30

Ile Lys Asp Leu  
 35

&lt;210&gt; 239

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 239

Leu Gln Thr Val Glu Asp Gln Tyr Lys Gln Leu Asn Gln Gln His Ser  
 1                   5                   10                   15

Gln Ile Lys Glu Ile Glu Asn Gln Leu Arg Arg Thr Ser Ile Gln Glu  
 20                   25                   30

Pro Thr Glu  
 35

<210> 240  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 240  
Ile Ser Leu Ser Ser Lys Pro Arg Ala Pro Arg Thr Thr Pro Phe Leu  
1 5 10 15

Gln Leu Asn Glu Ile Arg Asn Val Lys His Asp Gly Ile Pro Ala Glu  
20 25 30

Cys Thr Thr  
35

<210> 241  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 241  
Ile Tyr Asn Arg Gly Glu His Thr Ser Gly Met Tyr Ala Ile Arg Pro  
1 5 10 15

Ser Asn Ser Gln Val Phe His Val Tyr Cys Asp Val Ile Ser Gly Ser  
20 25 30

Pro Trp Thr Leu  
35

<210> 242  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 242  
Ile Gln His Arg Ile Asp Gly Ser Gln Asn Phe Asn Glu Thr Trp Glu  
1 5 10 15

Asn Tyr Lys Tyr Gly Phe Gly Arg Leu Asp Gly Glu Phe Trp Leu Gly  
20 25 30

Leu Glu Lys Ile  
35

<210> 243  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 243  
Tyr Ser Ile Val Lys Gln Ser Asn Tyr Val Leu Arg Ile Glu Leu Glu  
1 5 10 15

Asp Trp Lys Asp Asn Lys His Tyr Ile Glu Tyr Ser Phe Tyr Leu Gly  
 20 25 30

Asn His Glu  
 35

<210> 244  
 <211> 35.  
 <212> PRT  
 <213> Homo sapiens

<400> 244  
 Thr Asn Tyr Thr Leu His Leu Val Ala Ile Thr Gly Asn Val Pro Asn  
 1 5 10 15

Ala Ile Pro Glu Asn Lys Asp Leu Val Phe Ser Thr Trp Asp His Lys  
 20 25 30

Ala Lys Gly  
 35

<210> 245  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 245  
 His Phe Asn Cys Pro Glu Gly Tyr Ser Gly Gly Trp Trp Trp His Asp  
 1 5 10 15

Glu Cys Gly Glu Asn Asn Leu Asn Gly Lys Tyr Asn Lys Pro Arg Ala  
 20 25 30

Lys Ser Lys Pro  
 35

<210> 246  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 246  
 Glu Arg Arg Arg Gly Leu Ser Trp Lys Ser Gln Asn Gly Arg Leu Tyr  
 1 5 10 15

Ser Ile Lys Ser Thr Lys Met Leu Ile His Pro Thr Asp Ser Glu Ser  
 20 25 30

Phe Glu

<210> 247  
 <211> 36

<212> PRT  
<213> Homo sapiens

<400> 247  
Leu Pro Pro Arg Gly Pro Ala Thr Phe Gly Ser Pro Gly Cys Pro Pro  
1 5 10 15  
Ala Asn Ser Pro Pro Ser Ala Pro Ala Thr Pro Glu Pro Ala Arg Ala  
20 25 30  
Pro Glu Arg Val  
35

<210> 248  
<211> 44  
<212> PRT.  
<213> Homo sapiens

<400> 248  
Gly Thr Arg Ala Gly Val Ser Lys Tyr Thr Gly Gly Arg Gly Val Thr  
1 5 10 15  
Trp Ala Pro Ser Ser Ala Ala Val Pro Arg Ile Ser Ser Ala Thr Met  
20 25 30  
Arg Met Gly Leu Thr Ser Phe Ser Thr Thr Gly Ala  
35 40

<210> 249  
<211> 306  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (293)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 249  
Trp Gln Ser Gly His Arg Leu Trp Gln Leu Glu Trp Pro Pro Pro  
1 5 10 15  
Leu Ser Ala Asp Glu His Pro Trp Glu Gly Pro Leu Pro Gly Thr Ser  
20 25 30  
Pro Ser Pro Lys Phe Ser Met Pro Ser Pro Val Pro His Gly His His  
35 40 45

Arg Pro Thr Leu Thr Met Thr Arg Ser Trp Arg Ile Phe Phe Asn Asn  
50 55 60

Ile Ala Tyr Arg Ser Ser Ala Asn Arg Leu Phe Arg Val Ile Arg  
65 70 75 80

Arg Glu His Gly Asp Pro Leu Ile Glu Glu Leu Asn Pro Gly Asp Ala  
85 90 95

Leu Glu Pro Glu Gly Arg Gly Thr Gly Gly Val Val Thr Asp Phe Asp  
 100 105 110

Gly Asp Gly Met Leu Asp Leu Ile Leu Ser His Gly Glu Ser Met Ala  
 115 120 125

Gln Pro Leu Ser Val Phe Arg Gly Asn Gln Gly Phe Asn Asn Asn Trp  
 130 135 140

Leu Arg Val Val Pro Arg Thr Arg Phe Gly Ala Phe Ala Arg Gly Ala  
 145 150 155 160

Lys Val Val Leu Tyr Thr Lys Lys Ser Gly Ala His Leu Arg Ile Ile  
 165 170 175

Asp Gly Gly Ser Gly Tyr Leu Cys Glu Met Glu Pro Val Ala His Phe  
 180 185 190

Gly Leu Gly Lys Asp Glu Ala Ser Ser Val Glu Val Thr Trp Pro Asp  
 195 200 205

Gly Lys Met Val Ser Arg Asn Val Ala Ser Gly Glu Met Asn Ser Val  
 210 215 220

Leu Glu Ile Leu Tyr Pro Arg Asp Glu Asp Thr Leu Gln Asp Pro Ala  
 225 230 235 240

Pro Leu Glu Cys Gly Gln Gly Phe Ser Gln Gln Glu Asn Gly His Cys  
 245 250 255

Met Asp Thr Asn Glu Cys Ile Gln Phe Pro Phe Val Cys Pro Arg Asp  
 260 265 270

Lys Pro Val Cys Val Asn Thr Tyr Gly Ser Tyr Arg Cys Arg Thr Asn  
 275 280 285

Lys Lys Cys Ser Xaa Gly Leu Arg Val Pro Thr Arg Met Ala His Thr  
 290 295 300

Gly Leu  
 305

<210> 250  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 250  
 Trp Gln Ser Gly His Arg Leu Trp Gln Leu Glu Trp Pro Pro Pro  
 1 5 10 15

Leu Ser Ala Asp Glu His Pro Trp Glu Gly Pro Leu Pro Gly Thr Ser  
 20 25 30

Pro Ser Pro Lys  
 35

<210> 251  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 251  
Phe Ser Met Pro Ser Pro Val Pro His Gly His His Arg Pro Thr Leu  
1               5               10               15

Thr Met Thr Arg Ser Trp Arg Ile Phe Phe Asn Asn Ile Ala Tyr Arg  
20               25               30

Ser Ser Ser  
35

<210> 252  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 252  
Ala Asn Arg Leu Phe Arg Val Ile Arg Arg Glu His Gly Asp Pro Leu  
1               5               10               15

Ile Glu Glu Leu Asn Pro Gly Asp Ala Leu Glu Pro Glu Gly Arg Gly  
20               25               30

Thr Gly Gly Val Val  
35

<210> 253  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 253  
Thr Asp Phe Asp Gly Asp Gly Met Leu Asp Leu Ile Leu Ser His Gly  
1               5               10               15

Glu Ser Met Ala Gln Pro Leu Ser Val Phe Arg Gly Asn Gln Gly Phe  
20               25               30

Asn Asn

<210> 254  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 254  
Asn Trp Leu Arg Val Val Pro Arg Thr Arg Phe Gly Ala Phe Ala Arg  
1               5               10               15

Gly Ala Lys Val Val Leu Tyr Thr Lys Lys Ser Gly Ala His Leu Arg  
 20 25 30

Ile Ile Asp  
 35

<210> 255  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 255  
 Gly Gly Ser Gly Tyr Leu Cys Glu Met Glu Pro Val Ala His Phe Gly  
 1 5 10 15

Leu Gly Lys Asp Glu Ala Ser Ser Val Glu Val Thr Trp Pro Asp Gly  
 20 25 30

Lys Met Val Ser  
 35

<210> 256  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 256  
 Arg Asn Val Ala Ser Gly Glu Met Asn Ser Val Leu Glu Ile Leu Tyr  
 1 5 10 15

Pro Arg Asp Glu Asp Thr Leu Gln Asp Pro Ala Pro Leu Glu Cys Gly  
 20 25 30

Gln Gly Phe  
 35

<210> 257  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 257  
 Ser Gln Gln Glu Asn Gly His Cys Met Asp Thr Asn Glu Cys Ile Gln  
 1 5 10 15

Phe Pro Phe Val Cys Pro Arg Asp Lys Pro Val Cys Val Asn Thr Tyr  
 20 25 30

Gly Ser Tyr Arg  
 35

<210> 258  
 <211> 22



<210> 263  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 263  
Gly Gln His Trp Thr Tyr Glu Gly Pro His Gly Gln Asp His Trp Pro  
1 5 10 15

<210> 264  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 264  
Gln Ser Pro Ile Asp Ile Gln Thr Asp Ser Val Thr Phe Asp  
1 5 10

<210> 265  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 265  
Leu His Asn Asn Gly His Thr Val Gln Leu Ser Leu Pro Ser Thr  
1 5 10 15

<210> 266  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 266  
Lys Tyr Val Ala Ala Gln Leu His Leu His Trp Gly  
1 5 10

<210> 267  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 267  
Ala Glu Leu His Ile Val His Tyr Asp Ser Asp Ser Tyr  
1 5 10

<210> 268  
<211> 1667  
<212> DNA  
<213> Homo sapiens

<400> 268  
 GCCCGCGCCG CCGCTGCCGC CGCCGCGCGC GATTCTGCTT CTCAGAAGAT GCACTATTAT 60  
 AGATACTCTA ACGCCAAGGT CAGCTGCTGG TACAAGTACC TCCTTTCACT ACACAAACATC 120  
 ATCTTCTGAT TGGCTGGAGT TGTCTTCCTT GGAGTCGGGC TGTGGGCATG GAGCGAAAAG 180  
 GGTGTGCTGT CCGACCTCAC CAAAGTGACC CGGATGCATG GAATCGACCC TGTGGTGCTG 240  
 GTCCTGATGG TGGCGTGTT GATGTTCACT CTGGGGTTCG CCGGCTGCGT GGGGGCTCTG 300  
 CGGGAGAATA TCTGCTTGCT CAACTTTTC TGTGGCACCA TCGTGCTCAT CTTCTTCCTG 360  
 GAGCTGGCTG TGGCCGTGCT GGCCCTCCTG TTCCAGGACT GGGTGAGGGA CCGGTTCCGG 420  
 GAGTTCTTCG AGAGCAACAT CAAGTCCTAC CGGGACGATA TCGATCTGCA AAACCTCATC 480  
 GACTCCCTTC AGAAAGCTAA CCAGTGCCTGT GGCGCATATG GCCCTGAAAG ACTGGGACCT 540  
 CAGACGTCTA CTTCAATTGC AGCGGTGCCA GCTACAGCCG AGAGAATGCG GGGTCCCCTT 600  
 CTCCTGCTGC GTGCCAGATC CTGCGAAAA AGTTGTGAAC ACACAGTGTG GATATGATGT 660  
 CAGGATTCACT CTGAAGAGCA AGTGGGATGA GTCCATCTTC ACGAAAGGCT GCATCCAGGC 720  
 GCTGGAAAGC TGGCTCCCGC GGAACATTAA CATTGTGGCT GGCGTCTTCA TCGCCATCTC 780  
 GCTGTTGCAG ATATTTGGCA TCTTCCTGGC AAGGACGCTG ATCTCAGACA TCGAGGCAGT 840  
 GAAGGCCGGC CATCACTTCT GAGGAGCAGA GTTGAGGGAG CCGAGCTGAG CCACGCTGGG 900  
 AGGCCAGAGC CTTTCTCTGC CATCAGCCCT ACGTCCAGAG GGAGAGGAGC CGACACCCCC 960  
 AGAGCCAGTG CCCCATTTA AGCATCAGCG TGACGTGACC TCTCTGTTTC TGCTTGCTGG 1020  
 TGCTGAAGAC CAAGGGTCCC CCTTGTACC TGCCCAAACAT TGTGACTGCA TCCCTCTGGA 1080  
 GTCTACCCAG AGACAGAGAA TGTGTCTTA TGTGGGAGTG GTGACTCTGA AAGACAGAGA 1140  
 GGGCTCTGT GGCTGCCAGG AGGGCTTGAC TCAGACCCCC TGCAGCTCAA GCATGTCTGC 1200  
 AGGACACCTG GTCCCCCTCT CCCAGTGGCA TCCCAAACAT CTGCTTGGG TCCATCCCAC 1260  
 ATCTGTGGGT GGGCCCGTGG GTAAGAAGGG AACCCCCACAG GCGTGGAAACA GGGCATCCTC 1320  
 TCTCCCATCC AAGCAAAGCC AGCATGGGG CCTGCCGTAA ACGGGAGGCG GACGTGGCCC 1380  
 CGCTGGGCCT CTGAGTGCCA GCGCAGTCTG CTGGGACATG CACATATCAG GGGTTGTTTG 1440  
 CAGGATCCTC AGCCATGTTA AAGTGAAGTA AGCCTGAGCC AGTGCCTGGA CTGGTGCAC 1500  
 GGGAGTGCCT TGTCCACTGT CCCCCCTGTGT CCACCAAGCTA TTCTCCTGGC GCCGGAACAG 1560  
 CCTCTGGTCT TGATAGCATT AAGCCCTGAT TGGCCGGTGG CGCGGTGGC ATGGTTCTTC 1620  
 ACTGAGAGCC GGCTCTCCTT TTCTTAAAGT GTGTAAATAG TTTATTT 1667

<210> 269  
<211> 270  
<212> PRT  
<213> Homo sapiens

<400> 269  
Met His Tyr Tyr Arg Tyr Ser Asn Ala Lys Val Ser Cys Trp Tyr Lys  
1 5 10 15  
Tyr Leu Leu Phe Ser Tyr Asn Ile Ile Phe Trp Leu Ala Gly Val Val  
20 25 30  
Phe Leu Gly Val Gly Leu Trp Ala Trp Ser Glu Lys Gly Val Leu Ser  
35 40 45  
Asp Leu Thr Lys Val Thr Arg Met His Gly Ile Asp Pro Val Val Leu  
50 55 60  
Val Leu Met Val Gly Val Val Met Phe Thr Leu Gly Phe Ala Gly Cys  
65 70 75 80  
Val Gly Ala Leu Arg Glu Asn Ile Cys Leu Leu Asn Phe Phe Cys Gly  
85 90 95  
Thr Ile Val Leu Ile Phe Phe Leu Glu Leu Ala Val Ala Val Leu Ala  
100 105 110  
Phe Leu Phe Gln Asp Trp Val Arg Asp Arg Phe Arg Glu Phe Phe Glu  
115 120 125  
Ser Asn Ile Lys Ser Tyr Arg Asp Asp Ile Asp Leu Gln Asn Leu Ile  
130 135 140  
Asp Ser Leu Gln Lys Ala Asn Gln Cys Cys Gly Ala Tyr Gly Pro Glu  
145 150 155 160  
Asp Trp Asp Leu Asn Val Tyr Phe Asn Cys Ser Gly Ala Ser Tyr Ser  
165 170 175  
Arg Glu Lys Cys Gly Val Pro Phe Ser Cys Cys Val Pro Asp Pro Ala  
180 185 190  
Gln Lys Val Val Asn Thr Gln Cys Gly Tyr Asp Val Arg Ile Gln Leu  
195 200 205  
Lys Ser Lys Trp Asp Glu Ser Ile Phe Thr Lys Gly Cys Ile Gln Ala  
210 215 220  
Leu Glu Ser Trp Leu Pro Arg Asn Ile Tyr Ile Val Ala Gly Val Phe  
225 230 235 240  
Ile Ala Ile Ser Leu Leu Gln Ile Phe Gly Ile Phe Leu Ala Arg Thr  
245 250 255  
Leu Ile Ser Asp Ile Glu Ala Val Lys Ala Gly His His Phe  
260 265 270

<210> 270  
<211> 277  
<212> PRT  
<213> Homo sapiens

<400> 270  
Ser Gly Asn Leu Gly Ser Ala Asp Gly Trp Ala Tyr Ile Asp Val Glu  
1 5 10 15  
Val Arg Arg Pro Trp Ala Phe Val Gly Pro Gly Cys Ser Arg Ser Ser  
20 25 30  
Gly Asn Gly Ser Thr Ala Tyr Gly Leu Val Gly Ser Pro Arg Trp Leu  
35 40 45  
Ser Pro Phe His Thr Gly Gly Ala Val Ser Leu Pro Arg Arg Pro Arg  
50 55 60  
Gly Pro Gly Pro Val Leu Gly Val Ala Arg Pro Cys Leu Arg Cys Val  
65 70 75 80  
Leu Arg Pro Glu His Tyr Glu Pro Gly Ser His Tyr Ser Gly Phe Ala  
85 90 95  
Gly Arg Asp Ala Ser Arg Ala Phe Val Thr Gly Asp Cys Ser Glu Ala  
100 105 110  
Gly Leu Val Asp Asp Val Ser Asp Leu Ser Ala Ala Glu Met Leu Thr  
115 120 125  
Leu His Asn Trp Leu Ser Phe Tyr Glu Lys Asn Tyr Val Cys Val Gly  
130 135 140  
Arg Val Thr Gly Arg Phe Tyr Gly Glu Asp Gly Leu Pro Thr Pro Ala  
145 150 155 160  
Leu Thr Gln Val Glu Ala Ala Ile Thr Arg Gly Leu Glu Ala Asn Lys  
165 170 175  
Leu Gln Leu Gln Glu Lys Gln Thr Phe Pro Pro Cys Asn Ala Glu Trp  
180 185 190  
Ser Ser Ala Arg Gly Ser Arg Leu Trp Cys Ser Gln Lys Ser Gly Gly  
195 200 205  
Val Ser Arg Asp Trp Ile Gly Val Pro Arg Lys Leu Tyr Lys Pro Gly  
210 215 220  
Ala Lys Glu Pro Arg Cys Val Cys Val Arg Thr Thr Gly Pro Pro Ser  
225 230 235 240  
Gly Gln Met Pro Asp Asn Pro Pro His Arg Asn Arg Gly Asp Leu Asp  
245 250 255  
His Pro Asn Leu Ala Glu Tyr Thr Gly Cys Pro Pro Leu Ala Ile Thr  
260 265 270

Cys Ser Phe Pro Leu  
275

<210> 271  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 271  
Ser Gly Asn Leu Gly Ser Ala Asp Gly Trp Ala Tyr Ile Asp Val Glu  
1 5 10 15  
Val Arg Arg Pro Trp Ala Phe Val Gly Pro Gly Cys Ser Arg Ser Ser  
20 25 30

Gly Asn Gly Ser  
35

<210> 272  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 272  
Thr Ala Tyr Gly Leu Val Gly Ser Pro Arg Trp Leu Ser Pro Phe His  
1 5 10 15  
Thr Gly Gly Ala Val Ser Leu Pro Arg Arg Pro Arg Gly Pro Gly Pro  
20 25 30

Val Leu Gly Val  
35

<210> 273  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 273  
Ala Arg Pro Cys Leu Arg Cys Val Leu Arg Pro Glu His Tyr Glu Pro  
1 5 10 15  
Gly Ser His Tyr Ser Gly Phe Ala Gly Arg Asp Ala Ser Arg Ala Phe  
20 25 30

Val Thr Gly Asp  
35

<210> 274  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 274  
 Cys Ser Glu Ala Gly Leu Val Asp Asp Val Ser Asp Leu Ser Ala Ala  
 1 5 10 15

Glu Met Leu Thr Leu His Asn Trp Leu Ser Phe Tyr Glu Lys Asn Tyr  
 20 25 30

Val Cys Val Gly  
 35

<210> 275

<211> 36

<212> PRT

<213> Homo sapiens

<400> 275  
 Arg Val Thr Gly Arg Phe Tyr Gly Glu Asp Gly Leu Pro Thr Pro Ala  
 1 5 10 15

Leu Thr Gln Val Glu Ala Ala Ile Thr Arg Gly Leu Glu Ala Asn Lys  
 20 25 30

Leu Gln Leu Gln  
 35

<210> 276

<211> 36

<212> PRT

<213> Homo sapiens

<400> 276  
 Glu Lys Gln Thr Phe Pro Pro Cys Asn Ala Glu Trp Ser Ser Ala Arg  
 1 5 10 15

Gly Ser Arg Leu Trp Cys Ser Gln Lys Ser Gly Gly Val Ser Arg Asp  
 20 25 30

Trp Ile Gly Val  
 35

<210> 277

<211> 29

<212> PRT

<213> Homo sapiens

<400> 277  
 Pro Arg Lys Leu Tyr Lys Pro Gly Ala Lys Glu Pro Arg Cys Val Cys  
 1 5 10 15

Val Arg Thr Thr Gly Pro Pro Ser Gly Gln Met Pro Asp  
 20 25

<210> 278

<211> 32

<212> PRT  
<213> Homo sapiens

<400> 278  
Asn Pro Pro His Arg Asn Arg Gly Asp Leu Asp His Pro Asn Leu Ala  
1               5               10               15  
Glu Tyr Thr Gly Cys Pro Pro Leu Ala Ile Thr Cys Ser Phe Pro Leu  
20              25              30

<210> 279  
<211> 171  
<212> PRT  
<213> Homo sapiens

<400> 279  
Ser Gln Leu Leu Pro Gly Ser Val Pro Gly Trp Ala Ala His Pro Leu  
1               5               10               15  
Arg Arg Thr Val Leu Ser Pro Ser Gln His Thr His Asn Ser Ser His  
20              25              30  
Arg Met Lys Ala Asn Cys Glu Val Ser Ala Ser Gln Arg Leu Thr Gly  
35              40              45  
Arg Ile Arg His Pro Arg Gly Leu Leu Gln Asn Ser Pro Arg Ser Arg  
50              55              60  
Lys Leu Trp Met Arg Leu Gly Leu Arg Ser Arg Tyr Ser Gly Thr Gln  
65              70              75              80  
Ala Arg Ser Ala Pro Ala Gly Gly His Ile Val Asp Thr Ala Glu Gln  
85              90              95  
Arg Gln Val Gln Ala Arg Val Pro Trp Ala Ala Ala Val Ala Arg Gln  
100             105             110  
Leu Leu Arg Tyr Glu Lys Ala Lys Ala Ser Ala Gly Thr Pro Pro Ala  
115             120             125  
His Lys Pro Cys Cys His Tyr Arg Cys Cys Gly Tyr Ser Gln Ala Gln  
130             135             140  
Gln Lys Pro Thr Ala Ser Ala Pro Gln His Leu Tyr Arg Pro Thr Arg  
145             150             155             160  
Pro His Phe Arg Gly Cys Arg Ser Ile Ser Val  
165             170

<210> 280  
<211> 13  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 280

Leu	Leu	Leu	Cys	Pro	Trp	Trp	Leu	Cys	Phe	Asp	Trp	Ser
1				5							10	

&lt;210&gt; 281

&lt;211&gt; 270

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 281

Met	Gly	Cys	Ile	Pro	Leu	Ile	Lys	Ser	Ile	Ser	Asp	Trp	Arg	Val	Ile
1				5					10				15		

Ala	Leu	Ala	Ala	Leu	Trp	Phe	Cys	Leu	Ile	Gly	Leu	Ile	Cys	Gln	Ala
								25				30			

Leu	Cys	Ser	Glu	Asp	Gly	His	Lys	Arg	Arg	Ile	Leu	Thr	Leu	Gly	Leu
						35		40			45				

Gly	Phe	Leu	Val	Ile	Pro	Phe	Leu	Pro	Ala	Ser	Asn	Leu	Phe	Phe	Arg
						50		55			60				

Val	Gly	Phe	Val	Val	Ala	Glu	Cys	Val	Leu	Tyr	Leu	Pro	Ser	Ile	Gly
65						70			75			80			

Tyr	Cys	Val	Leu	Leu	Thr	Phe	Gly	Phe	Gly	Ala	Leu	Ser	Lys	His	Thr
					85			90			95				

Lys	Lys	Lys	Lys	Leu	Ile	Ala	Ala	Val	Val	Leu	Gly	Ile	Leu	Phe	Ile
						100		105			110				

Asn	Thr	Leu	Arg	Cys	Val	Leu	Arg	Thr	Ala	Lys	Trp	Arg	Ser	Glu	Glu
						115		120			125				

Gln	Leu	Phe	Arg	Ser	Ala	Leu	Ser	Val	Cys	Pro	Leu	Asn	Ala	Lys	Val
						130		135			140				

His	Tyr	Asn	Ile	Gly	Lys	Asn	Leu	Ala	Asp	Lys	Gly	Asn	Gln	Thr	Ala
145							150			155			160		

Ala	Ile	Arg	Tyr	Tyr	Arg	Glu	Ala	Val	Arg	Leu	Asn	Pro	Lys	Tyr	Val
							165		170			175			

His	Ala	Met	Asn	Asn	Leu	Gly	Asn	Ile	Leu	Lys	Glu	Arg	Asn	Glu	Leu
						180			185			190			

Gln	Glu	Ala	Glu	Glu	Leu	Leu	Ser	Leu	Ala	Val	Gln	Ile	Gln	Pro	Asp
						195			200			205			

Phe	Ala	Ala	Ala	Trp	Met	Asn	Leu	Gly	Ile	Val	Gln	Asn	Ser	Leu	Lys
						210		215			220				

Arg	Phe	Glu	Thr	Ala	Glu	Gln	Asn	Tyr	Arg	Thr	Ala	Ile	Lys	His	Arg
225							230			235			240		

Arg	Lys	Tyr	Pro	Asp	Cys	Tyr	Tyr	Asn	Leu	Gly	Arg	Leu	Val	Arg	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

245

250

255

Gly Cys Pro Val Pro Val Glu Gly Lys Met Gly Tyr Phe Ser  
 260 265 270

&lt;210&gt; 282

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 282

Met Gly Cys Ile Pro Leu Ile Lys Ser Ile Ser Asp Trp Arg Val Ile  
 1 5 10 15

Ala Leu Ala Ala Leu Trp Phe Cys Leu Ile Gly Leu Ile Cys Gln Ala  
 20 25 30

Leu Cys Ser Glu Asp Gly

35

&lt;210&gt; 283

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 283

His Lys Arg Arg Ile Leu Thr Leu Gly Leu Gly Phe Leu Val Ile Pro  
 1 5 10 15

Phe Leu Pro Ala Ser Asn Leu Phe Phe Arg Val Gly Phe Val Val Ala  
 20 25 30

Glu Cys Val Leu Tyr Leu

35

&lt;210&gt; 284

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 284

Pro Ser Ile Gly Tyr Cys Val Leu Leu Thr Phe Gly Phe Gly Ala Leu  
 1 5 10 15

Ser Lys His Thr Lys Lys Lys Lys Leu Ile Ala Ala Val Val Leu Gly  
 20 25 30

Ile Leu Phe Ile Asn Thr

35

&lt;210&gt; 285

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<400> 285  
 Leu Arg Cys Val Leu Arg Thr Ala Lys Trp Arg Ser Glu Glu Gln Leu  
 1 5 10 15

Phe Arg Ser Ala Leu Ser Val Cys Pro Leu Asn Ala Lys Val His Tyr  
 20 25 30

Asn Ile Gly Lys Asn Leu  
 35

<210> 286

<211> 38

<212> PRT

<213> Homo sapiens

<400> 286

Ala Asp Lys Gly Asn Gln Thr Ala Ala Ile Arg Tyr Tyr Arg Glu Ala  
 1 5 10 15

Val Arg Leu Asn Pro Lys Tyr Val His Ala Met Asn Asn Leu Gly Asn  
 20 25 30

Ile Leu Lys Glu Arg Asn  
 35

<210> 287

<211> 38

<212> PRT

<213> Homo sapiens

<400> 287

Glu Leu Gln Glu Ala Glu Glu Leu Leu Ser Leu Ala Val Gln Ile Gln  
 1 5 10 15

Pro Asp Phe Ala Ala Ala Trp Met Asn Leu Gly Ile Val Gln Asn Ser  
 20 25 30

Leu Lys Arg Phe Glu Thr  
 35

<210> 288

<211> 42

<212> PRT

<213> Homo sapiens

<400> 288

Ala Glu Gln Asn Tyr Arg Thr Ala Ile Lys His Arg Arg Lys Tyr Pro  
 1 5 10 15

Asp Cys Tyr Tyr Asn Leu Gly Arg Leu Val Arg Thr Gly Cys Pro Val  
 20 25 30

Pro Val Glu Gly Lys Met Gly Tyr Phe Ser  
 35 40

<210> 289  
<211> 16  
<212> PRT  
<213> Homo sapiens

<400> 289  
Leu Ile Lys Ser Ile Ser Asp Trp Arg Val Ile Ala Leu Ala Ala Leu  
1 5 10 15

<210> 290  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 290  
Arg Asp Asn Asp Tyr Leu Leu His Gly His Arg Pro Pro Met Phe  
1 5 10 15

<210> 291  
<211> 24  
<212> PRT  
<213> Homo sapiens

<400> 291  
Ser Phe Arg Ala Cys Phe Lys Ser Ile Phe Arg Ile His Thr Glu Thr  
1 5 10 15

Gly Asn Ile Trp Thr His Leu Leu  
20

<210> 292  
<211> 29  
<212> PRT  
<213> Homo sapiens

<400> 292  
Gly Phe Val Leu Phe Leu Phe Leu Gly Ile Leu Thr Met Leu Arg Pro  
1 5 10 15

Asn Met Tyr Phe Met Ala Pro Leu Gln Glu Lys Val Val  
20 25

<210> 293  
<211> 457  
<212> PRT  
<213> Homo sapiens

<400> 293  
Thr Gly Pro Glu Phe Pro Gly Ser Asn Ser Thr Val Ala Arg Arg Ile

1	5	10	15
Lys Asp Leu Ala Ala Asp Ile Glu Glu Glu Leu Val Cys Arg Leu Lys			
20	25	30	
Ile Cys Asp Gly Phe Ser Leu Gln Leu Asp Glu Ser Ala Asp Val Ser			
35	40	45	
Gly Leu Ala Val Leu Leu Val Phe Val Arg Tyr Arg Phe Asn Lys Ser			
50	55	60	
Ile Glu Glu Asp Leu Leu Cys Glu Ser Leu Gln Ser Asn Ala Thr			
65	70	75	80
Gly Glu Glu Ile Phe Asn Cys Ile Asn Ser Phe Met Gln Lys His Glu			
85	90	95	
Ile Glu Trp Glu Lys Cys Val Asp Val Cys Ser Asp Ala Ser Arg Ala			
100	105	110	
Val Asp Gly Lys Ile Ala Glu Ala Val Thr Leu Ile Lys Tyr Val Ala			
115	120	125	
Pro Glu Ser Thr Ser Ser His Cys Leu Leu Tyr Arg His Ala Leu Ala			
130	135	140	
Val Lys Ile Met Pro Thr Ser Leu Lys Asn Val Leu Asp Gln Ala Val			
145	150	155	160
Gln Ile Ile Asn Tyr Ile Lys Ala Arg Pro His Gln Ser Arg Leu Leu			
165	170	175	
Lys Ile Leu Cys Glu Glu Met Gly Ala Gln His Thr Ala Leu Leu Leu			
180	185	190	
Asn Thr Glu Val Arg Trp Leu Ser Arg Gly Lys Val Leu Val Arg Leu			
195	200	205	
Phe Glu Leu Arg Arg Glu Leu Leu Val Phe Met Asp Ser Ala Phe Arg			
210	215	220	
Leu Ser Asp Cys Leu Thr Asn Ser Ser Trp Leu Leu Arg Leu Ala Tyr			
225	230	235	240
Leu Ala Asp Ile Phe Thr Lys Leu Asn Glu Val Asn Leu Ser Met Gln			
245	250	255	
Gly Lys Asn Val Thr Val Phe Thr Val Phe Asp Lys Met Ser Ser Leu			
260	265	270	
Leu Arg Lys Leu Glu Phe Trp Ala Ser Ser Val Glu Glu Glu Asn Phe			
275	280	285	
Asp Cys Phe Pro Thr Leu Ser Asp Phe Leu Thr Glu Ile Asn Ser Thr			
290	295	300	
Val Asp Lys Asp Ile Cys Ser Ala Ile Val Gln His Leu Arg Gly Leu			
305	310	315	320

Arg Ala Thr Leu Leu Lys Tyr Phe Pro Val Thr Asn Asp Asn Asn Ala  
 325 330 335  
 Trp Val Arg Asn Pro Phe Thr Val Thr Val Lys Pro Ala Ser Leu Val  
 340 345 350  
 Ala Arg Asp Tyr Glu Ser Leu Ile Asp Leu Thr Ser Asp Ser Gln Val  
 355 360 365  
 Lys Gln Asn Phe Ser Glu Leu Ser Leu Asn Asp Phe Trp Ser Ser Leu  
 370 375 380  
 Ile Gln Glu Tyr Pro Ser Ile Ala Arg Arg Ala Val Arg Val Leu Leu  
 385 390 395 400  
 Pro Phe Ala Thr Met His Leu Cys Glu Thr Gly Phe Ser Tyr Tyr Ala  
 405 410 415  
 Ala Thr Lys Thr Lys Tyr Arg Lys Arg Leu Asp Ala Ala Pro His Met  
 420 425 430  
 Arg Ile Arg Leu Ser Asn Ile Thr Pro Asn Ile Lys Arg Ile Cys Asp  
 435 440 445  
 Lys Lys Thr Gln Lys His Cys Ser His  
 450 455

&lt;210&gt; 294

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 294

Asp	Ile	Glu	Glu	Glu	Leu	Val	Cys	Arg	Leu	Lys	Ile	Cys	Asp	Gly	Phe
1															15

Ser	Leu	Gln	Leu	Asp	Glu	Ser	Ala	Asp	Val	Ser	Gly	Leu	Ala	Val
20														30

&lt;210&gt; 295

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 295

Asn	Ser	Phe	Met	Gln	Lys	His	Glu	Ile	Glu	Trp	Glu	Lys	Cys	Val	Asp
1															15

Val	Cys	Ser	Asp	Ala	Ser	Arg	Ala	Val	Asp	Gly	Lys	Ile	Ala	Glu	Ala
20															30

Val Thr Leu Ile

35

<210> 296  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 296  
Leu Asp Gln Ala Val Gln Ile Ile Asn Tyr Ile Lys Ala Arg Pro His  
1 5 10 15  
Gln Ser Arg Leu Leu Lys Ile Leu Cys Glu Met Gly Ala Gln His  
20 25 30

Thr Ala Leu Leu  
35

<210> 297  
<211> 49  
<212> PRT  
<213> Homo sapiens

<400> 297  
Ser Ala Phe Arg Leu Ser Asp Cys Leu Thr Asn Ser Ser Trp Leu Leu  
1 5 10 15  
Arg Leu Ala Tyr Leu Ala Asp Ile Phe Thr Lys Leu Asn Glu Val Asn  
20 25 30  
Leu Ser Met Gln Gly Lys Asn Val Thr Val Phe Thr Val Phe Asp Lys  
35 40 45

Met

<210> 298  
<211> 32  
<212> PRT  
<213> Homo sapiens

<400> 298  
Ser Asp Phe Leu Thr Glu Ile Asn Ser Thr Val Asp Lys Asp Ile Cys  
1 5 10 15  
Ser Ala Ile Val Gln His Leu Arg Gly Leu Arg Ala Thr Leu Leu Lys  
20 25 30

<210> 299  
<211> 38  
<212> PRT  
<213> Homo sapiens

<400> 299  
Ser Asp Ser Gln Val Lys Gln Asn Phe Ser Glu Leu Ser Leu Asn Asp

1	5	10	15	
Phe Trp Ser Ser Leu Ile Gln Glu Tyr Pro Ser Ile Ala Arg Arg Ala				
		20	25	30
Val Arg Val Leu Leu Pro				
35				
<210> 300				
<211> 325				
<212> PRT				
<213> Homo sapiens				
<220>				
<221> SITE				
<222> (17.1)				
<223> Xaa equals any of the naturally occurring L-amino acids				
<220>				
<221> SITE				
<222> (222)				
<223> Xaa equals any of the naturally occurring L-amino acids				
<400> 300				
Asp Pro Arg Val Arg Glu Cys Leu Gln Asp Trp Ala Ser Phe Leu Arg				
1	5	10	15	
Leu Ala Ile Pro Ser Met Leu Met Leu Cys Met Glu Trp Trp Ala Tyr				
20	25	30		
Glu Val Gly Ser Phe Leu Ser Gly Ile Leu Gly Met Val Glu Leu Gly				
35	40	45		
Ala Gln Ser Ile Val Tyr Glu Leu Ala Ile Ile Val Tyr Met Val Pro				
50	55	60		
Ala Gly Phe Ser Val Ala Ala Ser Val Arg Val Gly Asn Ala Leu Gly				
65	70	75	80	
Ala Gly Asp Met Glu Gln Ala Arg Lys Ser Ser Thr Val Ser Leu Leu				
85	90	95		
Ile Thr Val Leu Phe Ala Val Ala Phe Ser Val Leu Leu Ser Cys				
100	105	110		
Lys Asp His Val Gly Tyr Ile Phe Thr Thr Asp Arg Asp Ile Ile Asn				
115	120	125		
Leu Val Ala Gln Val Val Pro Ile Tyr Ala Val Ser His Leu Phe Glu				
130	135	140		
Ala Leu Ala Cys Thr Ser Gly Gly Val Leu Arg Gly Ser Gly Asn Gln				
145	150	155	160	
Lys Val Gly Ala Ile Val Asn Thr Ile Gly Xaa Tyr Val Val Gly Leu				
165	170	175		

Pro Ile Gly Ile Ala Leu Met Phe Ala Thr Thr Leu Gly Val Met Gly  
 180 185 190

Leu Trp Ser Gly Ile Ile Cys Thr Val Phe Gln Ala Val Cys Phe  
 195 200 205

Leu Gly Phe Ile Ile Gln Leu Asn Trp Lys Lys Ala Cys Xaa Gln Ala  
 210 215 220

Gln Val His Ala Asn Leu Lys Val Asn Asn Val Pro Arg Ser Gly Asn  
 225 230 235 240

Ser Ala Leu Pro Gln Asp Pro Leu His Pro Gly Cys Pro Glu Asn Leu  
 245 250 255

Glu Gly Ile Leu Thr Asn Asp Val Gly Lys Thr Gly Glu Pro Gln Ser  
 260 265 270

Asp Gln Gln Met Arg Gln Glu Glu Pro Leu Pro Glu His Pro Gln Asp  
 275 280 285

Gly Ala Lys Leu Ser Arg Lys Gln Leu Val Leu Arg Arg Gly Leu Leu  
 290 295 300

Leu Leu Gly Val Phe Leu Ile Leu Leu Val Gly Ile Leu Val Arg Phe  
 305 310 315 320

Tyr Val Arg Ile Gln  
 325

<210> 301

<211> 328

<212> PRT

<213> Homo sapiens

<400> 301  
 Gly Thr Arg Ile His Thr Ile Leu Val Tyr Gln Glu Ser Asn Arg Lys  
 1 5 10 15

Met Asp Ser Val Asp Pro Ala Ser Ser Gln Ala Met Glu Leu Ser Asp  
 20 25 30

Val Thr Leu Ile Glu Gly Val Gly Asn Glu Val Met Val Val Ala Gly  
 35 40 45

Val Val Val Leu Ile Leu Ala Leu Val Leu Ala Trp Leu Ser Thr Tyr  
 50 55 60

Val Ala Asp Ser Gly Ser Asn Gln Leu Leu Gly Ala Ile Val Ser Ala  
 65 70 75 80

Gly Asp Thr Ser Val Leu His Leu Gly His Val Asp His Leu Val Ala  
 85 90 95

Gly Gln Gly Asn Pro Glu Pro Thr Glu Leu Pro His Pro Ser Glu Gly  
 100 105 110

Asn Asp Glu Lys Ala Glu Glu Ala Gly Glu Gly Arg Gly Asp Ser Thr  
 115 120 125  
 Gly Glu Ala Gly Ala Gly Gly Val Glu Pro Ser Leu Glu His Leu  
 130 135 140  
 Leu Asp Ile Gln Gly Leu Pro Lys Arg Gln Ala Gly Ala Gly Ser Ser  
 145 150 155 160  
 Ser Pro Glu Ala Pro Leu Arg Ser Glu Asp Ser Thr Cys Leu Pro Pro  
 165 170 175  
 Ser Pro Gly Leu Ile Thr Val Arg Leu Lys Phe Leu Asn Asp Thr Glu  
 180 185 190  
 Glu Leu Ala Val Ala Arg Pro Glu Asp Thr Val Gly Ala Leu Lys Ser  
 195 200 205  
 Lys Tyr Phe Pro Gly Gln Glu Ser Gln Met Lys Leu Ile Tyr Gln Gly  
 210 215 220  
 Arg Leu Leu Gln Asp Pro Ala Arg Thr Leu Arg Ser Leu Asn Ile Thr  
 225 230 235 240  
 Asp Asn Cys Val Ile His Cys His Arg Ser Pro Pro Gly Ser Ala Val  
 245 250 255  
 Pro Gly Pro Ser Ala Ser Leu Ala Pro Ser Ala Thr Glu Pro Pro Ser  
 260 265 270  
 Leu Gly Val Asn Val Gly Ser Leu Met Val Pro Val Phe Val Val Leu  
 275 280 285  
 Leu Gly Val Val Trp Tyr Phe Arg Ile Asn Tyr Arg Gln Phe Phe Thr  
 290 295 300  
 Ala Pro Ala Thr Val Ser Leu Val Gly Val Thr Val Phe Phe Ser Phe  
 305 310 315 320  
 Leu Val Phe Gly Met Tyr Gly Arg  
 325

<210> 302  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 302  
 Asp Ser Arg Ile Ser Leu Leu Val Asn Asn Ala Gly Val Gly Ala Thr  
 1 5 10 15

Ala Ser Leu Leu Glu Ser Asp Ala Asp Lys  
 20 25

<210> 303  
 <211> 159

<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (110)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 303

Met	Asp	Ala	Met	Ile	Leu	Leu	Asn	Val	Leu	Ala	Leu	Thr	Arg	Leu	Ala
1									10					15	

Lys Ala Ala Ala Thr Asn Phe Val Ala Gln Gly Arg Gly Thr Ile Ile

				20				25				30		
--	--	--	--	----	--	--	--	----	--	--	--	----	--	--

Asn Ile Gly Ser Ile Val Ala Leu Ala Pro Lys Val Leu Asn Gly Val

				35			40			45		
--	--	--	--	----	--	--	----	--	--	----	--	--

Tyr Gly Gly Thr Lys Ala Phe Val Gln Ala Phe Ser Glu Ser Leu Gln

				50			55			60		
--	--	--	--	----	--	--	----	--	--	----	--	--

His Glu Leu Ser Asp Lys Gly Val Val Val Gln Val Val Leu Pro Gly

				65			70			75		80
--	--	--	--	----	--	--	----	--	--	----	--	----

Ala Thr Ala Thr Glu Phe Trp Asp Ile Ala Gly Leu Pro Val Asn Asn

				85			90			95	
--	--	--	--	----	--	--	----	--	--	----	--

Leu Pro Glu Ala Met Val Met Thr Thr Glu Asn Leu Val Xaa Ala Ala

				100			105			110	
--	--	--	--	-----	--	--	-----	--	--	-----	--

Leu Ala Gly Leu Ala Gln Gly Glu Ala Val Thr Ile Pro Ser Leu Pro

				115			120			125	
--	--	--	--	-----	--	--	-----	--	--	-----	--

Asp Ser Ala Asp Trp Asp Thr Tyr Glu Arg Ala Arg Leu Ala Leu Gly

				130			135			140	
--	--	--	--	-----	--	--	-----	--	--	-----	--

Pro Asn Leu Ser His Arg Glu Pro Ala Ala Arg Tyr Gly Leu Lys

				145			150			155	
--	--	--	--	-----	--	--	-----	--	--	-----	--

<210> 304  
<211> 146  
<212> PRT  
<213> Homo sapiens

<400> 304

Gly	Thr	Pro	Ala	Gly	Thr	Gly	Pro	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg
1								5					10		15

Pro Ser Arg Thr Glu Ser Ala Gln Thr Thr Gln His Ser Pro Leu Arg

				20			25					30	
--	--	--	--	----	--	--	----	--	--	--	--	----	--

Pro Leu Trp Arg Leu Lys Arg Asp Ser Ser Pro Cys His Pro Gln Thr

				35			40					45	
--	--	--	--	----	--	--	----	--	--	--	--	----	--

Arg Ala Asp Trp Gly Val Cys Pro Pro Trp Gly Gly Ala Ala Gln Gly

				50			55			60	
--	--	--	--	----	--	--	----	--	--	----	--

Leu Arg Pro Gly Cys His Leu Ala Pro Arg Arg Cys Leu Cys Pro Gly  
 65                   70                   75                   80

Ser Cys Cys Pro Trp His Trp Ala Glu Ala Gln Trp Ser Phe Leu Trp  
 85                   90                   95

Arg Gly Leu Trp Gly Leu Arg Thr Leu Pro Thr Ala Leu Arg Ala Ser  
 100               105               110

Pro Ala Ala Ser Gly Thr Val Thr Tyr Ser Ala Cys Leu Gly Thr Ser  
 115               120               125

Cys Leu Leu Arg Ala Pro Cys Trp Arg Leu Arg Thr Cys Arg Gln Ser  
 130               135               140

Trp Cys  
 145

<210> 305

<211> 28

<212> PRT

<213> Homo sapiens

<400> 305

Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg  
 1                   5                   10                   15

Pro Ser Arg Thr Glu Ser Ala Gln Thr Thr Gln His  
 20               25

<210> 306

<211> 30

<212> PRT

<213> Homo sapiens

<400> 306

Ser Pro Leu Arg Pro Leu Trp Arg Leu Lys Arg Asp Ser Ser Pro Cys  
 1               5               10                   15

His Pro Gln Thr Arg Ala Asp Trp Gly Val Cys Pro Pro Trp  
 20               25                   30

<210> 307

<211> 30

<212> PRT

<213> Homo sapiens

<400> 307

Gly Gly Ala Ala Gln Gly Leu Arg Pro Gly Cys His Leu Ala Pro Arg  
 1               5               10                   15

Arg Cys Leu Cys Pro Gly Ser Cys Cys Pro Trp His Trp Ala  
 20               25                   30

<210> 308  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 308  
Glu Ala Gln Trp Ser Phe Leu Trp Arg Gly Leu Trp Gly Leu Arg Thr  
1 5 10 15  
Leu Pro Thr Ala Leu Arg Ala Ser Pro Ala Ala Ser Gly Thr  
20 25 30

<210> 309  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 309  
Val Thr Tyr Ser Ala Cys Leu Gly Thr Ser Cys Leu Leu Arg Ala Pro  
1 5 10 15  
Cys Trp Arg Leu Arg Thr Cys Arg Gln Ser Trp Cys  
20 25

<210> 310  
<211> 507  
<212> PRT  
<213> Homo sapiens

<400> 310  
Met Pro Val Pro Trp Phe Leu Leu Ser Leu Ala Leu Gly Arg Ser Pro  
1 5 10 15

Val Val Leu Ser Leu Glu Arg Leu Val Gly Pro Gln Asp Ala Thr His  
20 25 30

Cys Ser Pro Gly Leu Ser Cys Arg Leu Trp Asp Ser Asp Ile Leu Cys  
35 40 45

Leu Pro Gly Asp Ile Val Pro Ala Pro Gly Pro Val Leu Ala Pro Thr  
50 55 60

His Leu Gln Thr Glu Leu Val Leu Arg Cys Gln Lys Glu Thr Asp Cys  
65 70 75 80

Asp Leu Cys Leu Arg Val Ala Val His Leu Ala Val His Gly His Trp  
85 90 95

Glu Glu Pro Glu Asp Glu Glu Lys Phe Gly Gly Ala Ala Asp Leu Gly  
100 105 110

Val Glu Glu Pro Arg Asn Ala Ser Leu Gln Ala Gln Val Val Leu Ser  
115 120 125

Phe Gln Ala Tyr Pro Thr Ala Arg Cys Val Leu Leu Glu Val Gln Val  
130 135 140

Pro Ala Ala Leu Val Gln Phe Gly Gln Ser Val Gly Ser Val Val Tyr  
 145 150 155 160  
 Asp Cys Phe Glu Ala Ala Leu Gly Ser Glu Val Arg Ile Trp Ser Tyr  
 165 170 175  
 Thr Gln Pro Arg Tyr Glu Lys Glu Leu Asn His Thr Gln Gln Leu Pro  
 180 185 190  
 Asp Cys Arg Gly Leu Glu Val Trp Asn Ser Ile Pro Ser Cys Trp Ala  
 195 200 205  
 Leu Pro Trp Leu Asn Val Ser Ala Asp Gly Asp Asn Val His Leu Val  
 210 215 220  
 Leu Asn Val Ser Glu Glu Gln His Phe Gly Leu Ser Leu Tyr Trp Asn  
 225 230 235 240  
 Gln Val Gln Gly Pro Pro Lys Pro Arg Trp His Lys Asn Leu Thr Gly  
 245 250 255  
 Pro Gln Ile Ile Thr Leu Asn His Thr Asp Leu Val Pro Cys Leu Cys  
 260 265 270  
 Ile Gln Val Trp Pro Leu Glu Pro Asp Ser Val Arg Thr Asn Ile Cys  
 275 280 285  
 Pro Phe Arg Glu Asp Pro Arg Ala His Gln Asn Leu Trp Gln Ala Ala  
 290 295 300  
 Arg Leu Arg Leu Leu Thr Leu Gln Ser Trp Leu Leu Asp Ala Pro Cys  
 305 310 315 320  
 Ser Leu Pro Ala Glu Ala Ala Leu Cys Trp Arg Ala Pro Gly Gly Asp  
 325 330 335  
 Pro Cys Gln Pro Leu Val Pro Pro Leu Ser Trp Glu Asn Val Thr Val  
 340 345 350  
 Asp Lys Val Leu Glu Phe Pro Leu Leu Lys Gly His Pro Asn Leu Cys  
 355 360 365  
 Val Gln Val Asn Ser Ser Glu Lys Leu Gln Leu Gln Glu Cys Leu Trp  
 370 375 380  
 Ala Asp Ser Leu Gly Pro Leu Lys Asp Asp Val Leu Leu Leu Glu Thr  
 385 390 395 400  
 Arg Gly Pro Gln Asp Asn Arg Ser Leu Cys Ala Leu Glu Pro Ser Gly  
 405 410 415  
 Cys Thr Ser Leu Pro Ser Lys Ala Ser Thr Arg Ala Ala Arg Leu Gly  
 420 425 430  
 Glu Tyr Leu Leu Gln Asp Leu Gln Ser Gly Gln Cys Leu Gln Leu Trp  
 435 440 445

Asp Asp Asp Leu Gly Ala Leu Trp Ala Cys Pro Met Asp Lys Tyr Ile  
 450 455 460  
 His Lys Arg Trp Ala Leu Val Trp Leu Ala Cys Leu Leu Phe Arg Arg  
 465 470 475 480  
 Ala Leu Ser Leu Ile Leu Leu Lys Lys Asp His Ala Lys Gly Trp  
 485 490 495  
 Leu Arg Leu Leu Lys Gln Asp Val Arg Ser Gly  
 500 505

<210> 311  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 311  
 Pro Pro Arg Pro Ser Thr Ser Gly Gln Trp Gly  
 1 5 10

<210> 312  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 312  
 Arg Arg Ser Pro Phe Thr Ser Ala Gln Thr Gly  
 1 5 10

<210> 313  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 313  
 Gly Thr Gly Trp Asp Phe Gly Leu Ala Ala Val Cys Leu Arg Ala Ala  
 1 5 10 15

Glu Val Ala Gly Ser Phe Lys  
 20

<210> 314  
 <211> 146  
 <212> PRT  
 <213> Homo sapiens

<400> 314  
 Gly Tyr Arg Arg Val Phe Glu Glu Tyr Met Arg Val Ile Ser Gln Arg  
 1 5 10 15

Tyr Pro Asp Ile Arg Ile Glu Gly Glu Asn Tyr Leu Pro Gln Pro Ile  
 20 25 30

Tyr Arg His Ile Ala Ser Phe Leu Ser Val Phe Lys Leu Val Leu Ile  
 35                          40                          45

Gly Leu Ile Ile Val Gly Lys Asp Pro Phe Ala Phe Phe Gly Met Gln  
 50                          55                          60

Ala Pro Ser Ile Trp Gln Trp Gly Gln Glu Asn Lys Val Tyr Ala Cys  
 65                          70                          75                          80

Met Met Val Phe Phe Leu Ser Asn Met Ile Glu Asn Gln Cys Met Ser  
 85                          90                          95

Thr Gly Ala Phe Glu Ile Thr Leu Asn Asp Val Pro Val Trp Ser Lys  
 100                        105                        110

Leu Glu Ser Gly His Leu Pro Ser Met Gln Gln Leu Val Gln Ile Leu  
 115                        120                        125

Asp Asn Glu Met Lys Leu Asn Val His Met Asp Ser Ile Pro His His  
 130                        135                        140

Arg Ser  
 145

<210> 315

<211> 34

<212> PRT

<213> Homo sapiens

<400> 315

Gly Tyr Arg Arg Val Phe Glu Glu Tyr Met Arg Val Ile Ser Gln Arg  
 1                        5                        10                        15

Tyr Pro Asp Ile Arg Ile Glu Gly Glu Asn Tyr Leu Pro Gln Pro Ile  
 20                        25                        30

Tyr Arg

<210> 316

<211> 34

<212> PRT

<213> Homo sapiens

<400> 316

His Ile Ala Ser Phe Leu Ser Val Phe Lys Leu Val Leu Ile Gly Leu  
 1                        5                        10                        15

Ile Ile Val Gly Lys Asp Pro Phe Ala Phe Phe Gly Met Gln Ala Pro  
 20                        25                        30

Ser Ile

<210> 317

<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 317  
Trp Gln Trp Gly Gln Glu Asn Lys Val Tyr Ala Cys Met Met Val Phe  
1 5 10 15  
Phe Leu Ser Asn Met Ile Glu Asn Gln Cys Met Ser Thr Gly Ala Phe  
20 25 30

Glu Ile

<210> 318  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 318  
Thr Leu Asn Asp Val Pro Val Trp Ser Lys Leu Glu Ser Gly His Leu  
1 5 10 15  
Pro Ser Met Gln Gln Leu Val Gln Ile Leu Asp Asn Glu Met Lys Leu  
20 25 30  
Asn Val His Met  
35

<210> 319  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 319  
Asp Ser Ile Pro His His Arg Ser  
1 5

<210> 320  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 320  
Gly Arg Ala Arg Gly Arg Pro Pro Gly Pro Glu Ala Ala Pro Ala Ser  
1 5 10 15  
Leu Ser Val Ser Leu Arg Arg Glu Val His Ser Arg Gly Glu  
20 25 30

<210> 321  
<211> 333  
<212> PRT  
<213> Homo sapiens

<220>  
 <221> SITE  
 <222> (15)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (16)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (20)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 321  
 Gln Thr Pro Phe Thr Cys Thr Leu Ile His Arg His Ala Cys Xaa Xaa  
 1 5 10 15

Pro Val Arg Xaa Ser Arg Val Asp Pro Arg Val Arg Gly Lys Gln Ala  
 20 25 30

Leu Ile Trp Leu Leu Gly Val His Gly Glu Arg Ile Pro Asn Ala Pro  
 35 40 45

Tyr Val Leu Glu Asp Phe Val Glu Asn Val Lys Ser Glu Thr Phe Pro  
 50 55 60

Ala Val Lys Met Glu Leu Leu Thr Ala Leu Leu Arg Leu Phe Leu Ser  
 65 70 75 80

Arg Pro Ala Glu Cys Gln Asp Met Leu Gly Arg Leu Leu Tyr Tyr Cys  
 85 90 95

Ile Glu Glu Glu Lys Asp Met Ala Val Arg Asp Arg Gly Leu Phe Tyr  
 100 105 110

Tyr Arg Leu Leu Leu Val Gly Ile Asp Glu Val Lys Arg Ile Leu Cys  
 115 120 125

Ser Pro Lys Ser Asp Pro Thr Leu Gly Leu Leu Glu Asp Pro Ala Glu  
 130 135 140

Arg Pro Val Asn Ser Trp Ala Ser Asp Phe Asn Thr Leu Val Pro Val  
 145 150 155 160

Tyr Gly Lys Ala His Trp Ala Thr Ile Ser Lys Cys Gln Gly Ala Glu  
 165 170 175

Arg Cys Asp Pro Glu Leu Pro Lys Thr Ser Ser Phe Ala Ala Ser Gly  
 180 185 190

Pro Leu Ile Pro Glu Glu Asn Lys Glu Arg Val Gln Glu Leu Pro Asp  
 195 200 205

Ser Gly Ala Leu Met Leu Val Pro Asn Arg Gln Leu Thr Ala Asp Tyr  
 210 215 220

Phe Glu Lys Thr Trp Leu Ser Leu Lys Val Ala His Gln Gln Val Leu  
 225                   230                   235                   240

Pro Trp Arg Gly Glu Phe His Pro Asp Thr Leu Gln Met Ala Leu Gln  
 245                   250                   255

Val Val Asn Ile Gln Thr Ile Ala Met Ser Arg Ala Gly Ser Arg Pro  
 260                   265                   270

Trp Lys Ala Tyr Leu Ser Ala Gln Asp Asp Thr Gly Cys Leu Phe Leu  
 275                   280                   285

Thr Glu Leu Leu Glu Pro Gly Asn Ser Glu Met Gln Ile Ser Val  
 290                   295                   300

Lys Gln Asn Glu Ala Arg Thr Glu Thr Leu Asn Ser Phe Ile Ser Val  
 305                   310                   315                   320

Leu Glu Thr Val Ile Gly Thr Ile Glu Glu Ile Lys Ser  
 325                   330

<210> 322

<211> 12

<212> PRT

<213> Homo sapiens

<400> 322

Cys Glu Asn Thr Glu Gly Tyr Arg Cys Ile Cys  
 1                   5                   10

<210> 323

<211> 12

<212> PRT

<213> Homo sapiens

<400> 323

Cys Asp Cys Gln Ala Gly Tyr Gly Glu Ala Cys  
 1                   5                   10

<210> 324

<211> 14

<212> PRT

<213> Homo sapiens

<400> 324

Cys Ile Cys Ala Glu Gly Tyr Lys Gln Met Glu Gly Ile Cys  
 1                   5                   10

<210> 325

<211> 27

<212> PRT

<213> Homo sapiens

<400> 325  
 Asp Ile Asp Glu Cys Gly Thr Glu Gly Ala Asn Cys Gly Ala Asp Gln  
 1 5 10 15

Phe Cys Val Asn Thr Glu Gly Ser Tyr Glu Cys  
 20 25

<210> 326

<211> 26

<212> PRT

<213> Homo sapiens

<400> 326

Asp Val Asp Glu Cys Glu Thr Glu Val Cys Pro Gly Glu Asn Lys Gln  
 1 5 10 15

Cys Glu Asn Thr Glu Gly Gly Tyr Arg Cys  
 20 25

<210> 327

<211> 34

<212> PRT

<213> Homo sapiens

<400> 327

Cys Asp Cys Gln Ala Gly Tyr Gly Glu Ala Cys Gly Gln Cys Gly  
 1 5 10 15

Leu Gly Tyr Phe Glu Ala Glu Arg Asn Ala Ser His Leu Val Cys Ser  
 20 25 30

Ala Cys

<210> 328

<211> 389

<212> PRT

<213> Homo sapiens

<400> 328

Met Ile Ser Leu Pro Gly Pro Leu Val Thr Asn Leu Leu Arg Phe Leu  
 1 5 10 15

Phe Leu Gly Leu Ser Ala Leu Ala Pro Pro Ser Arg Ala Gln Leu Gln  
 20 25 30

Leu His Leu Pro Ala Asn Arg Leu Gln Ala Val Glu Gly Gly Glu Val  
 35 40 45

Val Leu Pro Ala Trp Tyr Thr Leu His Gly Glu Val Ser Ser Ser Gln  
 50 55 60

Pro Trp Glu Val Pro Phe Val Met Trp Phe Phe Lys Gln Lys Glu Lys  
 65 70 75 80

Glu Asp Gln Val Leu Ser Tyr Ile Asn Gly Val Thr Thr Ser Lys Pro  
                   85                  90                  95  
  
 Gly Val Ser Leu Val Tyr Ser Met Pro Ser Arg Asn Leu Ser Leu Arg  
                   100              105              110  
  
 Leu Glu Gly Leu Gln Glu Lys Asp Ser Gly Pro Tyr Ser Cys Ser Val  
                   115              120              125  
  
 Asn Val Gln Asn Lys Gln Gly Lys Ser Arg Gly His Ser Ile Lys Thr  
                   130              135              140  
  
 Leu Glu Leu Asn Val Leu Val Pro Pro Ala Pro Pro Ser Cys Arg Leu  
                   145              150              155              160  
  
 Gln Gly Val Pro His Val Gly Ala Asn Val Thr Leu Ser Cys Gln Ser  
                   165              170              175  
  
 Pro Arg Ser Lys Pro Ala Val Gln Tyr Gln Trp Asp Arg Gln Leu Pro  
                   180              185              190  
  
 Ser Phe Gln Thr Phe Phe Ala Pro Ala Leu Asp Val Ile Arg Gly Ser  
                   195              200              205  
  
 Leu Ser Leu Thr Asn Leu Ser Ser Ser Met Ala Gly Val Tyr Val Cys  
                   210              215              220  
  
 Lys Ala His Asn Glu Val Gly Thr Ala Gln Cys Asn Val Thr Leu Glu  
                   225              230              235              240  
  
 Val Ser Thr Gly Pro Gly Ala Ala Val Val Ala Gly Ala Val Val Gly  
                   245              250              255  
  
 Thr Leu Val Gly Leu Gly Leu Leu Ala Gly Leu Val Leu Leu Tyr His  
                   260              265              270  
  
 Arg Arg Gly Lys Ala Leu Glu Glu Pro Ala Asn Asp Ile Lys Glu Asp  
                   275              280              285  
  
 Ala Ile Ala Pro Arg Thr Leu Pro Trp Pro Lys Ser Ser Asp Thr Ile  
                   290              295              300  
  
 Ser Lys Asn Gly Thr Leu Ser Ser Val Thr Ser Ala Arg Ala Leu Arg  
                   305              310              315              320  
  
 Pro Pro His Gly Pro Pro Arg Pro Gly Ala Leu Thr Pro Thr Pro Ser  
                   325              330              335  
  
 Leu Ser Ser Gln Ala Leu Pro Ser Pro Arg Leu Pro Thr Thr Asp Gly  
                   340              345              350  
  
 Ala His Pro Gln Pro Ile Ser Pro Ile Pro Gly Gly Val Ser Ser Ser  
                   355              360              365  
  
 Gly Leu Ser Arg Met Gly Ala Val Pro Val Met Val Pro Ala Gln Ser  
                   370              375              380  
  
 Gln Ala Gly Ser Leu

385

<210> 329  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 329  
 Met Ile Ser Leu Pro Gly Pro Leu Val Thr Asn Leu Leu Arg Phe Leu  
 1 5 10 15

Phe Leu Gly Leu Ser Ala Leu Ala Pro Pro Ser Arg Ala Gln Leu Gln  
 20 25 30

Leu His Leu  
 . 35

<210> 330  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 330  
 Pro Ala Asn Arg Leu Gln Ala Val Glu Gly Gly Glu Val Val Leu Pro  
 1 5 10 15

Ala Trp Tyr Thr Leu His Gly Glu Val Ser Ser Ser Gln Pro Trp Glu  
 20 25 30

Val Pro Phe.  
 . 35

<210> 331  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 331  
 Val Met Trp Phe Phe Lys Gln Lys Glu Lys Glu Asp Gln Val Leu Ser  
 1 5 10 15

Tyr Ile Asn Gly Val Thr Thr Ser Lys Pro Gly Val Ser Leu Val Tyr  
 20 25 30

Ser Met Pro  
 . 35

<210> 332  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 332  
 Ser Arg Asn Leu Ser Leu Arg Leu Glu Gly Leu Gln Glu Lys Asp Ser

1	5	10	15
---	---	----	----

Gly Pro Tyr Ser Cys Ser Val Asn Val Gln Asn Lys Gln Gly Lys Ser  
           20                 25                 30

Arg Gly His  
           35

<210> 333  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 333  
Ser Ile Lys Thr Leu Glu Leu Asn Val Leu Val Pro Pro Ala Pro Pro  
       1              5                 10                 15

Ser Cys Arg Leu Gln Gly Val Pro His Val Gly Ala Asn Val Thr Leu  
       20                 25                 30

Ser Cys Gln  
       35

<210> 334  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 334  
Ser Pro Arg Ser Lys Pro Ala Val Gln Tyr Gln Trp Asp Arg Gln Leu  
       1              5                 10                 15

Pro Ser Phe Gln Thr Phe Phe Ala Pro Ala Leu Asp Val Ile Arg Gly  
       20                 25                 30

Ser Leu Ser  
       35

<210> 335  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 335  
Leu Thr Asn Leu Ser Ser Ser Met Ala Gly Val Tyr Val Cys Lys Ala  
       1              5                 10                 15

His Asn Glu Val Gly Thr Ala Gln Cys Asn Val Thr Leu Glu Val Ser  
       20                 25                 30

Thr Gly Pro  
       35

<210> 336

<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 336  
Gly Ala Ala Val Val Ala Gly Ala Val Val Gly Thr Leu Val Gly Leu  
1 5 10 15

Gly Leu Leu Ala Gly Leu Val Leu Leu Tyr His Arg Arg Gly Lys Ala  
20 25 30

Leu Glu Glu  
35

<210> 337  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 337  
Pro Ala Asn Asp Ile Lys Glu Asp Ala Ile Ala Pro Arg Thr Leu Pro  
1 5 10 15

Trp Pro Lys Ser Ser Asp Thr Ile Ser Lys Asn Gly Thr Leu Ser Ser  
20 25 30

Val Thr Ser  
35

<210> 338  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 338  
Ala Arg Ala Leu Arg Pro Pro His Gly Pro Pro Arg Pro Gly Ala Leu  
1 5 10 15

Thr Pro Thr Pro Ser Leu Ser Ser Gln Ala Leu Pro Ser Pro Arg Leu  
20 25 30

Pro Thr Thr  
35

<210> 339  
<211> 39  
<212> PRT  
<213> Homo sapiens

<400> 339  
Asp Gly Ala His Pro Gln Pro Ile Ser Pro Ile Pro Gly Gly Val Ser  
1 5 10 15

Ser Ser Gly Leu Ser Arg Met Gly Ala Val Pro Val Met Val Pro Ala  
20 25 30

Gln Ser Gln Ala Gly Ser Leu  
35

<210> 340  
<211> 36  
<212> PRT  
<213> Homo sapiens

<400> 340  
Leu Ser Leu Thr Asn Leu Ser Ser Ser Met Ala Gly Val Tyr Val Cys  
1 5 10 15  
Lys Ala His Asn Glu Val Gly Thr Ala Gln Cys Asn Val Thr Leu Glu  
20 25 30

Val Ser Thr Gly  
35

<210> 341  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 341  
Gly Ser Ser Phe Val Val Ser Glu Gly Ser Tyr Leu Asp Ile Ser Asp  
1 5 10 15  
Trp Leu Asn Pro Ala Lys Leu Ser Leu Tyr Tyr  
20 25

<210> 342  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 342  
Leu Asp Ile Ser Asp Trp Leu Asn Pro Ala Lys Leu  
1 5 10

<210> 343  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 343  
Ser Asp Trp Leu Asn Pro Ala Lys Leu Ser Leu  
1 5 10

<210> 344  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 344  
 Asp Ala Cys Glu Gln Leu Cys Asp Pro Glu Thr Gly Glu  
 1 5 10

<210> 345  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 345  
 Glu Gly Lys Ile Lys Ile Cys Glu Lys Lys Ala Ile Lys Val Ile Leu  
 1 5 10 15

His Thr Cys Asn Ser  
 20

<210> 346  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 346  
 Asn Ser Ala Arg Val Glu Phe Phe Ile Pro Pro Leu Arg Ile Thr Gln  
 1 5 10 15

Lys Val Arg Ser Thr Lys Ser  
 20

<210> 347  
 <211> 123  
 <212> PRT  
 <213> Homo sapiens

<400> 347  
 Met Met Val Trp Asn Leu Phe Pro Cys Phe Pro Pro Leu Leu Leu  
 1 5 10 15

Gln Phe Ile Asp Cys Gln Gln Ser Ser Glu Ile Glu Gln Gly Phe Thr  
 20 25 30

Arg Ser Leu Leu Gly His Pro Ile Phe Phe Cys Pro Asp Pro Cys Trp  
 35 40 45

Gln Ser Cys Met Asn Cys Val Ile Leu Ser Val Leu Ser Phe Phe  
 50 55 60

Leu Ile Arg Trp Ile Ser Lys Ile Val Ala Val Gln Lys Leu Glu Ser  
 65 70 75 80

Ser Ser Arg Arg Lys Pro Ile Leu Phe Leu Ile Ile Ser Cys Glu Ile  
 85 90 95

Ala Ser Phe Ile His Leu Phe Leu Ser Gln Met Ser Ala Glu Cys Cys  
 100 105 110

Cys Phe Tyr Leu Val Ile Leu Ile Cys Lys Tyr  
 115                    120

<210> 348  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 348  
 Met Met Val Trp Asn Leu Phe Pro Cys Phe Pro Pro Leu Leu Leu  
 1                    5                    10                    15

Gln Phe Ile Asp Cys Gln Gln Ser Ser Glu Ile Glu  
 20                    25

<210> 349  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 349  
 Gln Gly Phe Thr Arg Ser Leu Leu Gly His Pro Ile Phe Phe Cys Pro  
 1                    5                    10                    15

Asp Pro Cys Trp Gln Ser Cys Met Asn Cys Val Ile  
 20                    25

<210> 350  
 <211> 35  
 <212> PRT  
 <213> Homo sapiens

<400> 350  
 Leu Ser Val Leu Ser Phe Phe Leu Ile Arg Trp Ile Ser Lys Ile  
 1                    5                    10                    15

Val Ala Val Gln Lys Leu Glu Ser Ser Arg Arg Lys Pro Ile Leu  
 20                    25                    30

Phe Leu Ile  
 35

<210> 351  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<400> 351  
 Ile Ser Cys Glu Ile Ala Ser Phe Ile His Leu Phe Leu Ser Gln Met  
 1                    5                    10                    15

Ser Ala Glu Cys Cys Cys Phe Tyr Leu Val Ile Leu Ile Cys Lys Tyr  
 20                    25                    30

<210> 352  
<211> 59  
<212> PRT  
<213> Homo sapiens

<400> 352  
Lys Val Asp Thr Pro Arg Arg His Phe Cys Pro Glu Ile Ser Phe Phe  
1 5 10 15  
Leu Thr Pro Leu Pro Gln Ser Ala Arg Asn Ser Thr Val Arg Asn Ala  
20 25 30  
Leu Ser Gly Leu Lys Asn Leu Thr Pro Ala Met Ile Ser Thr Val Ser  
35 40 45  
Lys Gln Asp Thr Ser Lys Leu Gly Glu Glu Glu  
50 55

<210> 353  
<211> 26  
<212> PRT  
<213> Homo sapiens

<400> 353  
Pro Thr Arg Pro Pro Thr Arg Pro Leu Ser Phe Thr Phe Thr Lys Gln  
1 5 10 15  
Thr Ser Ser Thr Cys Leu Ser Leu His Phe  
20 25

<210> 354  
<211> 50  
<212> PRT  
<213> Homo sapiens

<400> 354  
Leu Glu Cys Val Leu Leu Ile Cys Phe Arg Ala Met Ser Ala Ile Tyr  
1 5 10 15  
Thr His Thr Ser Ile Gly Asn Ala Gln Lys Leu Phe Thr Asp Gly Ser  
20 25 30  
Ala Phe Arg Arg Val Arg Glu Pro Leu Pro Lys Glu Gly Lys Ser Trp  
35 40 45  
Pro Gln  
50

<210> 355  
<211> 22

<212> PRT  
<213> Homo sapiens

<400> 355  
Lys Gln Asn Leu Thr Asn Leu Asp Val Pro Val Gln Tyr His Val Ala  
1 5 10 15

Leu Ser Asp Lys Val Lys  
20

<210> 356  
<211> 117  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (71)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 356  
Pro Ser Cys Pro Pro Glu Met Lys Lys Glu Leu Pro Val Asp Ser Cys  
1 5 10 15

Leu Pro Arg Ser Leu Glu Leu His Pro Gln Lys Met Asp Pro Lys Arg  
20 25 30

Gln His Ile Gln Leu Leu Ser Ser Leu Thr Glu Cys Leu Thr Val Asp  
35 40 45

Pro Leu Ser Ala Ser Val Trp Arg Gln Leu Tyr Pro Lys His Leu Ser  
50 55 60

Gln Ser Ser Leu Leu Xaa His Leu Leu Ser Ser Trp Glu Gln Ile  
65 70 75 80

Pro Lys Lys Val Gln Lys Ser Leu Gln Glu Thr Ile Gln Ser Leu Lys  
85 90 95

Leu Thr Asn Gln Glu Leu Leu Arg Lys Gly Ser Ser Asn Asn Gln Asp  
100 105 110

Val Val Thr Cys Asp  
115

<210> 357  
<211> 103  
<212> PRT  
<213> Homo sapiens

<400> 357  
Lys Ala Pro Tyr Ser Trp Leu Ala Asp Ser Trp Pro His Pro Ser Arg  
1 5 10 15

Ser Pro Ser Ala Gln Glu Pro Arg Gly Ser Cys Cys Pro Ser Asn Pro  
20 25 30

Asp Pro Asp Asp Arg Tyr Tyr Asn Glu Ala Gly Ile Ser Leu Tyr Leu  
 35 40 45

Ala Gln Thr Ala Arg Gly Thr Ala Ala Pro Gly Glu Gly Pro Val Tyr  
 50 55 60

Ser Thr Ile Asp Pro Ala Gly Glu Glu Leu Gln Thr Phe His Gly Gly  
 65 70 75 80

Phe Pro Gln His Pro Ser Gly Asp Leu Gly Pro Trp Ser Gln Tyr Ala  
 85 90 95

Pro Pro Glu Trp Ser Gln Gly  
 100

<210> 358

<211> 43

<212> PRT

<213> Homo sapiens

<400> 358

Leu Gln Gln Thr Met Gln Ala Met Leu His Phe Gly Gly Arg Leu Ala  
 1 5 10 15

Gln Ser Leu Arg Gly Thr Ser Lys Glu Ala Ala Ser Asp Pro Ser Asp  
 20 25 30

Ser Pro Asn Leu Pro Thr Pro Gly Ser Trp Trp  
 35 40

<210> 359

<211> 45

<212> PRT

<213> Homo sapiens

<400> 359

Glu Gln Leu Thr Gln Ala Ser Arg Val Tyr Ala Ser Gly Gly Thr Glu  
 1 5 10 15

Gly Phe Pro Leu Ser Arg Trp Ala Pro Gly Arg His Gly Thr Ala Ala  
 20 25 30

Glu Glu Gly Ala Gln Glu Arg Pro Leu Pro Thr Asp Glu  
 35 40 45

<210> 360

<211> 45

<212> PRT

<213> Homo sapiens

<400> 360

Met Ala Pro Gly Arg Gly Leu Trp Leu Gly Arg Leu Phe Gly Val Pro  
 1 5 10 15

Gly Gly Pro Ala Glu Asn Glu Asn Gly Ala Leu Lys Ser Arg Arg Pro  
 20 25 30

Ser Ser Trp Leu Pro Pro Thr Val Ser Val Leu Ala Leu  
 35 40 45

<210> 361

<211> 44

<212> PRT

<213> Homo sapiens

<400> 361  
 Val Lys Arg Gly Ala Pro Pro Glu Met Pro Ser Pro Gln Glu Leu Glu  
 1 5 10 15

Ala Ser Ala Pro Arg Met Val Gln Thr His Arg Ala Val Arg Ala Leu  
 20 25 30

Cys Asp His Thr Ala Ala Arg Pro Asp Gln Leu Ser  
 35 40

<210> 362

<211> 38

<212> PRT

<213> Homo sapiens

<400> 362  
 Phe Arg Arg Gly Glu Val Leu Arg Val Ile Thr Thr Val Asp Glu Asp  
 1 5 10 15

Trp Leu Arg Cys Gly Arg Asp Gly Met Glu Gly Leu Val Pro Val Gly  
 20 25 30

Tyr Thr Ser Leu Val Leu  
 35

<210> 363

<211> 215

<212> PRT

<213> Homo sapiens

<400> 363  
 Leu Gln Gln Thr Met Gln Ala Met Leu His Phe Gly Gly Arg Leu Ala  
 1 5 10 15

Gln Ser Leu Arg Gly Thr Ser Lys Glu Ala Ala Ser Asp Pro Ser Asp  
 20 25 30

Ser Pro Asn Leu Pro Thr Pro Gly Ser Trp Trp Glu Gln Leu Thr Gln  
 35 40 45

Ala Ser Arg Val Tyr Ala Ser Gly Gly Thr Glu Gly Phe Pro Leu Ser  
 50 55 60

Arg Trp Ala Pro Gly Arg His Gly Thr Ala Ala Glu Glu Gly Ala Gln

65	70	75	80
Glu Arg Pro Leu Pro Thr Asp Glu Met Ala Pro Gly Arg Gly Leu Trp			
85	90		95
Leu Gly Arg Leu Phe Gly Val Pro Gly Gly Pro Ala Glu Asn Glu Asn			
100	105		110
Gly Ala Leu Lys Ser Arg Arg Pro Ser Ser Trp Leu Pro Pro Thr Val			
115	120	125	
Ser Val Leu Ala Leu Val Lys Arg Gly Ala Pro Pro Glu Met Pro Ser			
130	135	140	
Pro Gln Glu Leu Glu Ala Ser Ala Pro Arg Met Val Gln Thr His Arg			
145	150	155	160
Ala Val Arg Ala Leu Cys Asp His Thr Ala Ala Arg Pro Asp Gln Leu			
165	170		175
Ser Phe Arg Arg Gly Glu Val Leu Arg Val Ile Thr Thr Val Asp Glu			
180	185		190
Asp Trp Leu Arg Cys Gly Arg Asp Gly Met Glu Gly Leu Val Pro Val			
195	200	205	
Gly Tyr Thr Ser Leu Val Leu			
210	215		

&lt;210&gt; 364

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (7)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 364

Ala Arg Ala Cys Pro Arg Xaa Gly Ala Ala Val Glu Lys Leu Gly Gly  
1 5 10 15Lys Pro Val Gln Pro Asp Ser Lys Pro Thr Cys Cys Ser Gln Val Lys  
20 25 30Ala Glu Gly Leu Ile Phe Ala Gly Leu Thr Gly Leu Lys Leu Leu Pro  
35 40 45Ser Ser Leu Gln Arg Ala Val Phe Val Arg Gln Cys Leu Gly Phe Trp  
50 55 60Asn Asp Gly Ser Arg Ala Leu Gln  
65 70

&lt;210&gt; 365

<211> 136  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (130)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 365  
Met Ser Pro Asn Leu Asn Ala Thr His Thr Ser Ala Gln Thr Pro Gly  
1 5 10 15

Phe Met Glu Arg Lys Thr Thr His Thr Val Ala Gln Ala Leu Ser His  
20 25 30

Ala Val Arg Thr Ile Arg Gly Ala Arg Ser Pro Leu Arg Pro Asp Ala  
35 40 45

Ser Arg Thr Pro Thr Ser Cys Gln Met Ser Thr Gln Ser Leu Leu Ile  
50 55 60

Cys Lys Ala Arg Leu Pro Ser Phe Gln Asn Pro Arg His Cys Leu Thr  
65 70 75 80

Lys Thr Ala Leu Cys Lys Glu Leu Gly Ser Asn Leu Ser Pro Val Arg  
85 90 95

Pro Ala Lys Ile Ser Pro Ser Ala Leu Thr Cys Glu Gln His Val Gly  
100 105 110

Leu Glu Ser Gly Trp Thr Gly Phe Pro Pro Ser Phe Ser Thr Ala Ala  
115 120 125

Pro Xaa Leu Gly Gln Ala Arg Ala  
130 135

<210> 366  
<211> 31  
<212> PRT  
<213> Homo sapiens

<400> 366  
Phe Gln Ser Val Tyr His Met Lys Leu Gln Ser Ser Asn Leu Pro Ala  
1 5 10 15

Ser Val Tyr Gly Asn Asn Leu Asn Cys Ile Asn Ser Ser Ser Ser  
20 25 30

<210> 367  
<211> 241  
<212> PRT  
<213> Homo sapiens

<400> 367  
Gly Leu Ser Ile His Asp Gly Thr Trp Lys Ser Ala Ile Tyr Gly Phe

1	5	10	15
Gly Asp Gln Ser Asn Leu Arg Lys Leu Arg Asn Val Ser Asn Leu Lys			
20	25	30	
Pro Val Pro Leu Ile Gly Pro Lys Leu Lys Arg Arg Trp Pro Ile Ser			
35	40	45	
Tyr Cys Arg Glu Leu Lys Gly Tyr Ser Ile Pro Phe Met Gly Ser Asp			
50	55	60	
Val Ser Val Val Arg Arg Thr Gln Arg Tyr Leu Tyr Glu Asn Leu Glu			
65	70	75	80
Glu Ser Pro Val Gln Tyr Ala Ala Tyr Val Thr Val Gly Gly Ile Thr			
85	90	95	
Ser Val Ile Lys Leu Met Phe Ala Gly Leu Phe Phe Leu Phe Val			
100	105	110	
Arg Phe Gly Ile Gly Arg Gln Leu Leu Ile Lys Phe Pro Trp Phe Phe			
115	120	125	
Ser Phe Gly Tyr Phe Ser Lys Gln Gly Pro Thr Gln Lys Gln Ile Asp			
130	135	140	
Ala Ala Ser Phe Thr Leu Thr Phe Phe Gly Gln Gly Tyr Ser Gln Gly			
145	150	155	160
Thr Gly Thr Asp Lys Asn Lys Pro Asn Ile Lys Ile Cys Thr Gln Val			
165	170	175	
Lys Gly Pro Glu Ala Gly Tyr Val Ala Thr Pro Ile Ala Met Val Gln			
180	185	190	
Ala Ala Met Thr Leu Leu Ser Asp Ala Ser His Leu Pro Lys Ala Gly			
195	200	205	
Gly Val Phe Thr Pro Gly Ala Ala Phe Ser Lys Thr Lys Leu Ile Asp			
210	215	220	
Arg Leu Asn Lys His Gly Ile Glu Phe Ser Val Ile Ser Ser Ser Glu			
225	230	235	240
Val			

<210> 368  
<211> 62  
<212> PRT  
<213> Homo sapiens

<400> 368  
Met Asp Pro Asp Arg Ala Phe Ile Cys Gly Glu Ser Arg Gln Phe Ala  
1 5 10 15  
Gln Cys Leu Ile Phe Gly Phe Leu Phe Leu Thr Ser Gly Met Leu Ile

20

25

30

Ser Val Leu Gly Ile Trp Val Pro Gly Cys Gly Ser Asn Trp Ala Gln  
 35                          40                          45

Glu Pro Leu Asn Glu Thr Asp Thr Gly Asp Ser Glu Pro Arg  
 50                          55                          60

&lt;210&gt; 369

&lt;211&gt; 229

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<400> 369  
 Met Asp Pro Asp Arg Ala Phe Ile Cys Gly Glu Ser Arg Gln Phe Ala  
 1                          5                          10                          15

Gln Cys Leu Ile Phe Gly Phe Leu Phe Leu Thr Ser Gly Met Leu Ile  
 20                          25                          30

Ser Val Leu Gly Ile Trp Val Pro Gly Cys Gly Ser Asn Trp Ala Gln  
 35                          40                          45

Glu Pro Leu Asn Glu Thr Asp Thr Gly Asp Ser Glu Pro Arg Met Cys  
 50                          55                          60

Gly Phe Leu Ser Leu Gln Ile Met Gly Pro Leu Ile Val Leu Val Gly  
 65                          70                          75                          80

Leu Cys Phe Phe Val Val Ala His Val Lys Lys Arg Asn Thr Leu Asn  
 85                          90                          95

Ala Gly Gln Asp Ala Ser Glu Arg Glu Glu Gly Gln Ile Gln Ile Met  
 100                        105                        110

Glu Pro Val Gln Val Thr Val Gly Asp Ser Val Ile Ile Phe Pro Pro  
 115                        120                        125

Pro Pro Pro Pro Tyr Phe Pro Glu Ser Ser Ala Ser Ala Val Ala Glu  
 130                        135                        140

Ser Pro Gly Thr Asn Ser Leu Leu Pro Asn Glu Asn Pro Pro Ser Tyr  
 145                        150                        155                        160

Tyr Ser Ile Phe Asn Tyr Gly Thr Pro Thr Ser Glu Gly Ala Ala Ser  
 165                        170                        175

Glu Arg Asp Cys Glu Ser Ile Tyr Thr Ile Ser Gly Thr Asn Ser Ser  
 180                        185                        190

Ser Glu Ala Ser His Thr Pro His Leu Pro Ser Glu Leu Pro Pro Arg  
 195                        200                        205

Tyr Glu Glu Lys Glu Asn Ala Ala Ala Thr Phe Leu Pro Leu Ser Ser  
 210                        215                        220

Glu Pro Ser Pro Pro

225

<210> 370  
<211> 37  
<212> PRT  
<213> Homo sapiens

<400> 370  
Phe Asp Phe Ile Ala Ser Leu Leu Lys Ala Asn Arg Leu Ser Leu Gln  
1 5 10 15

Thr Cys Glu Leu Leu Ala Ala Ala Leu Leu Pro Ser Glu Arg Tyr  
20 25 30

Lys Ala Ile Ser Ile  
35

<210> 371  
<211> 63  
<212> PRT  
<213> Homo sapiens

<400> 371  
Met Asn Lys Lys Ala Glu Leu Lys Pro Ser Ala Leu Pro Gly Trp Ala  
1 5 10 15

Asn Val Trp Lys Leu Met Cys Leu Val Thr Val Cys Ala Ser Leu Ile  
20 25 30

Ile Thr Ser Asp Ser Val Val Ser Thr Val Arg Leu Lys Gly Ser Cys  
35 40 45

Glu Asp Tyr Leu Gly Leu Ser Cys Gly Asn Thr Ser His Ala Tyr  
50 55 60

<210> 372  
<211> 434  
<212> PRT  
<213> Homo sapiens

<400> 372  
Met Ser Ala Asp Gly Ala Glu Ala Asp Gly Ser Thr Gln Val Thr Val  
1 5 10 15

Glu Glu Pro Val Gln Gln Pro Ser Val Val Asp Arg Val Ala Ser Met  
20 25 30

Pro Leu Ile Ser Ser Thr Cys Asp Met Val Ser Ala Ala Tyr Ala Ser  
35 40 45

Thr Lys Glu Ser Tyr Pro His Val Lys Thr Val Cys Asp Ala Ala Glu  
50 55 60

Lys Gly Val Arg Thr Leu Thr Ala Ala Val Ser Gly Ala Gln Pro  
65 70 75 80

Ile Leu Ser Lys Leu Glu Pro Gln Ile Ala Ser Ala Ser Glu Tyr Ala  
 85 90 95  
 His Arg Gly Leu Asp Lys Leu Glu Asn Leu Pro Ile Leu Gln Gln  
 100 105 110  
 Pro Thr Glu Lys Val Leu Ala Asp Thr Lys Glu Leu Val Ser Ser Lys  
 115 120 125  
 Val Ser Gly Ala Gln Glu Met Val Ser Ser Ala Lys Asp Thr Val Ala  
 130 135 140  
 Thr Gln Leu Ser Glu Ala Val Asp Ala Thr Arg Gly Ala Val Gln Ser  
 145 150 155 160  
 Gly Val Asp Lys Thr Lys Ser Val Val Thr Gly Gly Val Gln Ser Val  
 165 170 175  
 Met Gly Ser Arg Leu Gly Gln Met Val Leu Ser Gly Val Asp Thr Val  
 180 185 190  
 Leu Gly Lys Ser Glu Glu Trp Ala Asp Asn His Leu Pro Leu Thr Asp  
 195 200 205  
 Ala Glu Leu Ala Arg Ile Ala Thr Ser Leu Asp Gly Phe Asp Val Ala  
 210 215 220  
 Ser Val Gln Gln Gln Arg Gln Glu Gln Ser Tyr Phe Val Arg Leu Gly  
 225 230 235 240  
 Ser Leu Ser Glu Arg Leu Arg Gln His Ala Tyr Glu His Ser Leu Gly  
 245 250 255  
 Lys Leu Arg Ala Thr Lys Gln Arg Ala Gln Glu Ala Leu Leu Gln Leu  
 260 265 270  
 Ser Gln Ala Leu Ser Leu Met Glu Thr Val Lys Gln Gly Val Asp Gln  
 275 280 285  
 Lys Leu Val Glu Gly Gln Glu Lys Leu His Gln Met Trp Leu Ser Trp  
 290 295 300  
 Asn Gln Lys Gln Leu Gln Gly Pro Glu Lys Glu Pro Pro Lys Pro Glu  
 305 310 315 320  
 Gln Val Glu Ser Arg Ala Leu Thr Met Phe Arg Asp Ile Ala Gln Gln  
 325 330 335  
 Leu Gln Ala Thr Cys Thr Ser Leu Gly Ser Ser Ile Gln Gly Leu Pro  
 340 345 350  
 Thr Asn Val Lys Asp Gln Val Gln Gln Ala Arg Arg Gln Val Glu Asp  
 355 360 365  
 Leu Gln Ala Thr Phe Ser Ser Ile His Ser Phe Gln Asp Leu Ser Ser  
 370 375 380

200

Ser Ile Leu Ala Gln Ser Arg Glu Arg Val Ala Ser Ala Arg Glu Ala  
385 390 395 400

Leu Asp His Met Val Glu Tyr Val Ala Gln Asn Thr Pro Val Thr Trp  
405 410 415

Leu Val Gly Pro Phe Ala Pro Gly Ile Thr Glu Lys Ala Pro Glu Glu  
420 425 430

Lys Lys

<210> 373

<211> 66

<212> PRT

<213> Homo sapiens

<400> 373

Met Leu Cys Lys Ser Leu Leu Tyr Cys Val Val Ser Tyr Leu Tyr Tyr  
1 5 10 15

Phe Val Phe Ile Tyr Phe Phe Pro Val Phe Leu Ile Cys Ser Trp Leu  
20 25 30

Glu Leu Gln Met Trp Asn Leu Gln Ile Gly Arg Ala Asp Cys Phe Gln  
35 40 45

Asn Thr Leu Val Tyr Val Leu Ser Leu Cys Leu Gln Tyr Lys Asn His  
50 55 60

Pro Ala

65

<210> 374

<211> 25

<212> PRT

<213> Homo sapiens

<400> 374

Ile Asp Leu Ser Phe Pro Ser Thr Asn Val Ser Leu Glu Asp Arg Asn  
1 5 10 15

Thr Thr Lys Pro Ser Val Asn Val Gly  
20 25

<210> 375

<211> 12

<212> PRT

<213> Homo sapiens

<400> 375

Val Ala His Ala Cys Asn Pro Ser Thr Leu Gly Gly  
1 5 10

<210> 376  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 376  
Gly Gly Gln Ile Thr Arg Ser Gly Asp Gln Asp Gln Pro Asp Gln His  
1 5 10 15

Gly

<210> 377  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 377  
Gly Phe Thr Met Leu Val Arg Leu Val Leu Ile Ser  
1 5 10

<210> 378  
<211> 28  
<212> PRT  
<213> Homo sapiens

<400> 378  
Pro Arg Asp Leu Pro Thr Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly  
1 5 10 15

Met Ser His Pro Ala Arg Pro Lys Leu Leu Phe Asn  
20 25

<210> 379  
<211> 46  
<212> PRT  
<213> Homo sapiens

<400> 379  
Pro Phe Trp Ala Ala Glu Ser Ala Leu Asp Phe His Trp Pro Phe Gly  
1 5 10 15

Gly Ala Leu Cys Lys Met Val Leu Thr Ala Thr Val Leu Asn Val Tyr  
20 25 30

Ala Ser Ile Phe Leu Ile Thr Ala Leu Ser Val Ala Arg Tyr  
35 40 45

<210> 380  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 380

Thr His Ala Asp Lys Asn Gln Val Arg Asn Ser Asn  
 1 5 10

<210> 381  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 381  
 Gln Phe Leu Ser Trp Glu Gln Cys Thr Gly Asn Thr Glu Ser Gln  
 1 5 10 15

<210> 382  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (9)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 382  
 Val Arg Arg Pro Lys Ala Lys Gly Xaa Gln Thr Ser Asn  
 1 5 10

<210> 383  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 383  
 Pro Thr Gln Leu Asn Lys His Lys Pro Thr Thr Lys Glu Arg Arg Arg  
 1 5 10 15  
 Lys Gly Leu

<210> 384  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 384  
 Leu Ile Ser Lys His Glu Asn Ile Tyr  
 1 5

<210> 385  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<220>

<221> SITE  
 <222> (5)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (6)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (8)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>  
 <221> SITE  
 <222> (22)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 385  
 Thr Leu Tyr Ile Xaa Xaa Met Xaa Thr Gln Thr Trp Arg Asp Gln Gly  
 1               5                   10                   15  
 Arg Cys Gly Arg Asp Xaa Ile Asn Cys Ile Val  
 20                           25

<210> 386  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 386  
 Ser Leu Cys Thr Pro Gly Arg Gly Trp Glu Glu Ser Trp Gly Ser Ser  
 1               5                   10                   15  
 Leu Pro Asn Leu Thr Gly Trp Ser Val Ser Ser Leu Asp Asn Asn Asp  
 20                           25                           30  
 Val

<210> 387  
 <211> 204  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SITE  
 <222> (107)  
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 387  
 Met Gln Val Ala Leu Lys Glu Asp Leu Asp Ala Leu Lys Glu Lys Phe  
 1               5                   10                   15  
 Arg Thr Met Glu Ser Asn Gln Lys Ser Ser Phe Gln Glu Ile Pro Lys

20

25

30

Leu Asn Glu Glu Leu Leu Ser Lys Gln Lys Gln Leu Glu Lys Ile Glu  
 35                          40                          45

Ser Gly Glu Met Gly Leu Asn Lys Val Trp Ile Asn Ile Thr Glu Met  
 50                          55                          60

Asn Lys Gln Ile Ser Leu Leu Thr Ser Ala Val Asn His Leu Lys Ala  
 65                          70                          75                          80

Asn Val Lys Ser Ala Ala Asp Leu Ile Ser Leu Pro Thr Thr Val Glu  
 85                          90                          95

Gly Leu Gln Lys Ser Val Ala Ser Ile Gly Xaa Thr Leu Asn Ser Val  
 100                        105                        110

His Leu Ala Val Glu Ala Leu Gln Lys Thr Val Asp Glu His Lys Lys  
 115                        120                        125

Thr Met Glu Leu Leu Gln Ser Asp Met Asn Gln His Phe Leu Lys Glu  
 130                        135                        140

Thr Pro Gly Ser Asn Gln Ile Ile Pro Ser Pro Ser Ala Thr Ser Glu  
 145                        150                        155                        160

Leu Asp Asn Lys Thr His Ser Glu Asn Leu Lys Gln Met Gly Asp Arg  
 165                        170                        175

Ser Ala Thr Leu Lys Arg Gln Ser Leu Asp Gln Val Thr Asn Arg Thr  
 180                        185                        190

Asp Thr Val Lys Ile Gln Ser Ile Lys Lys Glu Gly  
 195                        200

<210> 388

<211> 43

<212> PRT

<213> Homo sapiens

<400> 388

Met Gln Val Ala Leu Lys Glu Asp Leu Asp Ala Leu Lys Glu Lys Phe  
 1                        5                            10                        15

Arg Thr Met Glu Ser Asn Gln Lys Ser Ser Phe Gln Glu Ile Pro Lys  
 20                        25                        30

Leu Asn Glu Glu Leu Leu Ser Lys Gln Lys Gln

35                        40

<210> 389

<211> 43

<212> PRT

<213> Homo sapiens

<400> 389

Leu Glu Lys Ile Glu Ser Gly Glu Met Gly Leu Asn Lys Val Trp Ile  
 1                   5                   10                   15

Asn Ile Thr Glu Met Asn Lys Gln Ile Ser Leu Leu Thr Ser Ala Val  
 20                   25                   30

Asn His Leu Lys Ala Asn Val Lys Ser Ala Ala  
 35                   40

<210> 390

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 390

Asp Leu Ile Ser Leu Pro Thr Thr Val Glu Gly Leu Gln Lys Ser Val  
 1                   5                   10                   15

Ala Ser Ile Gly Xaa Thr Leu Asn Ser Val His Leu Ala Val Glu Ala  
 20                   25                   30

Leu Gln Lys Thr Val Asp Glu His Lys Lys Thr  
 35                   40

<210> 391

<211> 43

<212> PRT

<213> Homo sapiens

<400> 391

Met Glu Leu Leu Gln Ser Asp Met Asn Gln His Phe Leu Lys Glu Thr  
 1                   5                   10                   15

Pro Gly Ser Asn Gln Ile Ile Pro Ser Pro Ser Ala Thr Ser Glu Leu  
 20                   25                   30

Asp Asn Lys Thr His Ser Glu Asn Leu Lys Gln  
 35                   40

<210> 392

<211> 32

<212> PRT

<213> Homo sapiens

<400> 392

Met Gly Asp Arg Ser Ala Thr Leu Lys Arg Gln Ser Leu Asp Gln Val  
 1                   5                   10                   15

Thr Asn Arg Thr Asp Thr Val Lys Ile Gln Ser Ile Lys Lys Glu Gly  
 20                   25                   30

<210> 393  
<211> 258  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (161)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 393  
Asp Ser Glu Ser Ser Glu Glu Glu Glu Phe Gly Val Val Gly  
1 5 10 15

Asn Arg Ser Arg Phe Ala Lys Gly Asp Tyr Leu Arg Cys Cys Lys Ile  
20 25 30

Cys Tyr Pro Leu Cys Gly Phe Val Ile Leu Ala Ala Cys Val Val Ala  
35 40 45

Cys Val Gly Leu Val Trp Met Gln Val Ala Leu Lys Glu Asp Leu Asp  
50 55 60

Ala Leu Lys Glu Lys Phe Arg Thr Met Glu Ser Asn Gln Lys Ser Ser  
65 70 75 80

Phe Gln Glu Ile Pro Lys Leu Asn Glu Leu Leu Ser Lys Gln Lys  
85 90 95

Gln Leu Glu Lys Ile Glu Ser Gly Glu Met Gly Leu Asn Lys Val Trp  
100 105 110

Ile Asn Ile Thr Glu Met Asn Lys Gln Ile Ser Leu Leu Thr Ser Ala  
115 120 125

Val Asn His Leu Lys Ala Asn Val Lys Ser Ala Ala Asp Leu Ile Ser  
130 135 140

Leu Pro Thr Thr Val Glu Gly Leu Gln Lys Ser Val Ala Ser Ile Gly  
145 150 155 160

Xaa Thr Leu Asn Ser Val His Leu Ala Val Glu Ala Leu Gln Lys Thr  
165 170 175

Val Asp Glu His Lys Lys Thr Met Glu Leu Leu Gln Ser Asp Met Asn  
180 185 190

Gln His Phe Leu Lys Glu Thr Pro Gly Ser Asn Gln Ile Ile Pro Ser  
195 200 205

Pro Ser Ala Thr Ser Glu Leu Asp Asn Lys Thr His Ser Glu Asn Leu  
210 215 220

Lys Gln Met Gly Asp Arg Ser Ala Thr Leu Lys Arg Gln Ser Leu Asp  
 225                    230                    235                    240

Gln Val Thr Asn Arg Thr Asp Thr Val Lys Ile Gln Ser Ile Lys Lys  
 245                    250                    255

Glu Gly

<210> 394

<211> 12

<212> PRT

<213> Homo sapiens

<400> 394

Ser Pro Gln Phe Leu Ser Ser Lys Ser Leu Pro Thr  
 1                    5                    10

<210> 395

<211> 107

<212> PRT

<213> Homo sapiens

<400> 395

Gly Pro Pro Ser Pro Arg Gly Leu Pro Ser Leu Pro Leu His Leu Pro  
 1                    5                    10                    15

Ala Pro Arg Arg Tyr Leu Gln Ser Arg Tyr Ala Cys Ser Gln Ser Ser  
 20                    25                    30

Val Ser Ala Ala Ala Arg Arg Trp Gly Ser Gly Trp Met Ala Trp Asp  
 35                    40                    45

Pro Trp Asn Gln Ala Ser Gly Arg Tyr Ala Arg Ile Thr Leu Leu Ser  
 50                    55                    60

Val Gln Ala Cys His Gln Pro Thr Val Trp Pro Arg Ala Gly His Ser  
 65                    70                    75                    80

Leu Pro Glu Arg Tyr Ser Leu His Pro His Asn Gly Asp Ser Thr His  
 85                    90                    95

Leu Ser Gly Leu Leu Thr Val Lys Cys Gly Ala  
 100                    105

<210> 396

<211> 37

<212> PRT

<213> Homo sapiens

<400> 396

Gly Pro Pro Ser Pro Arg Gly Leu Pro Ser Leu Pro Leu His Leu Pro  
 1                    5                    10                    15

Ala Pro Arg Arg Tyr Leu Gln Ser Arg Tyr Ala Cys Ser Gln Ser Ser

20

25

30

Val Ser Ala Ala Ala  
35

&lt;210&gt; 397

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 397

Arg Arg Trp Gly Ser Gly Trp Met Ala Trp Asp Pro Trp Asn Gln Ala  
1 5 10 15

Ser Gly Arg Tyr Ala Arg Ile Thr Leu Leu Ser Val Gln Ala Cys His  
20 25 30

Gln

&lt;210&gt; 398

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 398

Pro Thr Val Trp Pro Arg Ala Gly His Ser Leu Pro Glu Arg Tyr Ser  
1 5 10 15

Leu His Pro His Asn Gly Asp Ser Thr His Leu Ser Gly Leu Leu Thr  
20 25 30

Val Lys Cys Gly Ala  
35

&lt;210&gt; 399

&lt;211&gt; 173

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (130)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (152)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 399

Gly Pro Pro Ser Pro Arg Gly Leu Pro Ser Leu Pro Leu His Leu Pro  
1 5 10 15

Ala Pro Arg Arg Tyr Leu Gln Ser Arg Tyr Ala Cys Ser Gln Ser Ser

20

25

30

Val Ser Ala Ala Ala Arg Arg Trp Gly Ser Gly Trp Met Ala Trp Asp  
 35                                  40                                  45

Pro Trp Asn Gln Ala Ser Gly Arg Tyr Ala Arg Ile Thr Leu Leu Ser  
 50                                  55                                  60

Val Gln Ala Cys His Gln Pro Thr Val Trp Pro Arg Ala Gly His Ser  
 65                                  70                                  75                                  80

Leu Pro Glu Arg Tyr Ser Leu His Pro His Asn Gly Asp Ser Thr His  
 85                                  90                                  95

Leu Ser Gly Leu Leu Thr Val Lys Cys Gly Ala Met Ala Gly Phe Ala  
 100                                 105                                  110

Ser Tyr Pro Trp Ser Asp Phe Pro Trp Cys Trp Val Val Cys Phe Ser  
 115                                 120                                  125

Phe Xaa Phe Phe Phe Leu Arg Gln Ser Glu Ser Leu Ser Gln Lys Lys  
 130                                 135                                  140

Arg Gln Val Ala Asp Glu Leu Xaa Phe Gly Gln Ser Lys Arg Asp Ser  
 145                                 150                                  155                                  160

Asp Gly Gly Trp Met Leu Arg Ser Ser Ala Gly Asn Ser  
 165                                 170

<210> 400

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 400

Met Glu Ser Cys Ser Val Val Gln Ala Gly Val Lys Trp Cys Asp Leu  
 1                                 5    10                                  15

Gly Ser Leu Gln Pro Pro Pro Arg Phe Lys Gln Phe Ser Trp Glu Val  
 20                                 25    30

Glu Val Ala Val Ser Arg Asp His Thr Ile Ala Leu Gln Xaa Gly Gly

35

40

45

Gln Ser Lys Xaa Leu Ser Gln Lys Lys Glu Lys Lys Tyr Val Leu Asn  
 50 55 60

Ala Thr Phe Leu Asn Phe Tyr Phe Cys Arg Asp Lys Val Leu Leu Cys  
 65 70 75 80

Cys Pro Gly Trp Ser His Ile Val Gly Leu Lys Gln Ser Ser His Leu  
 85 90 95

Gly Leu Arg Lys Cys Trp Asp Tyr Arg His Gly Pro Leu Xaa Leu Ala  
 100 105 110

Leu Cys His Phe Val Cys Lys  
 115

&lt;210&gt; 401

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 401

Asn Gln Glu Asn Ser Leu Gln Thr Asn Ser Tyr Leu Asp Ser Thr Glu  
 1 5 10 15

Ser Lys

&lt;210&gt; 402

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (19)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (30)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 402

Gln Lys Arg Ala Cys Phe Pro Phe Ala Phe Cys Arg Asp Cys Gln Phe  
 1 5 10 15

Xaa Glu Xaa Ser Pro Ala Met Leu Pro Val Gln Pro Ala Xaa Leu  
 20 25 30

<210> 403  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 403  
Val Ser Ala His Gly Ile Trp Leu Phe Arg Ser  
1 5 10

<210> 404  
<211> 49  
<212> PRT  
<213> Homo sapiens

<220>  
<221> SITE  
<222> (35)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (37)  
<223> Xaa equals any of the naturally occurring L-amino acids

<220>  
<221> SITE  
<222> (48)  
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 404  
Lys His Ala Ala Pro Pro Ala Ser Leu Ser Leu Ser Leu Leu His  
1 5 10 15  
His Gly Gln Lys Arg Ala Cys Phe Pro Phe Ala Phe Cys Arg Asp Cys  
20 25 30  
Gln Phe Xaa Glu Xaa Ser Pro Ala Met Leu Pro Val Gln Pro Ala Xaa  
35 40 45  
Leu

<210> 405  
<211> 101  
<212> PRT  
<213> Homo sapiens

<400> 405  
Met Cys Asp Asn Leu Ile Met Leu Arg Thr Leu Met Arg Tyr Ile Val  
1 5 10 15

Phe Leu Ser Leu Gln Cys Leu Trp Gly Gln Gly Thr His Ser Ser Cys  
20 25 30

Tyr Pro Pro Ser Pro Leu Arg Leu Pro Leu Phe Phe Phe Leu Asp Ile

35

40

45

Lys Leu Gly Ile Ser Asn Trp Pro Val Val Met Gln Ser Cys Phe Ala  
 50 55 60

Leu Tyr Leu Ala Gly Leu Ile Cys Leu Thr Arg Ser His Glu Ala Ile  
 65 70 75 80

Gly Arg Ser Ser Leu Ser Pro Ser Ser Ala Pro Lys Val Val Ala  
 85 90 95

Arg Gly Val Pro Ser  
 100

&lt;210&gt; 406

&lt;211&gt; 138

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 406

Met Leu Val Leu Met Thr Leu Phe Leu Leu Tyr Tyr Arg Tyr Val  
 1 5 10 15

Tyr Gly Phe Gly Val Cys Val Tyr Val His Ile Tyr Ala His Ile Tyr  
 20 25 30

Thr His Thr His Ile Tyr Asn Gln Leu Ser Ile Ala Tyr Ser Ser Leu  
 35 40 45

Ile Ile Tyr Ile Leu Tyr Ser Asn Phe Ser Asn Thr Pro Thr Lys Ser  
 50 55 60

Phe Ser Pro Pro Tyr Gln Tyr Tyr Asn Val Pro Asp Asn Asn Ile Thr  
 65 70 75 80

Asn Pro Ala Leu Thr Pro Thr Asp Phe Phe Glu Asn Lys Gln Leu Leu  
 85 90 95

His Ala Ile Ser Phe Leu Tyr Ser Pro Thr Gly Phe Leu Gln Pro Pro  
 100 105 110

Ala His Pro Val Gln Leu Arg Thr Ser Thr Thr Leu Tyr Gly Asn His  
 115 120 125

Arg Gly Gln Thr Gly Cys Ser Gln Leu Asp  
 130 135

&lt;210&gt; 407

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 407

Ser Asn Thr Pro Thr Lys Ser Phe Ser Pro Pro Tyr Gln Tyr Tyr Asn  
 1 5 10 15

Val Pro Asp Asn Asn Ile Thr Asn Pro Ala Leu Thr Pro Thr Asp Phe  
 20 25 30

Phe Glu Asn Lys Gln Leu Leu His Ala Ile Ser Phe Leu Tyr Ser Pro  
 35 40 45

Thr Gly Phe Leu Gln Pro Pro Ala His Pro Val Gln Leu Arg Thr Ser  
 50 55 60

Thr Thr Leu  
 65

<210> 408  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 408  
Met Glu Met Asn Tyr Cys Gly Ser Arg Val Leu Tyr  
 1 5 10

<210> 409  
<211> 61  
<212> PRT  
<213> Homo sapiens

<400> 409  
Leu Gly Ser Pro Ile Ile Pro Leu Trp Ser Tyr Thr Ser Ala Thr Gln  
 1 5 10 15

Ala Ala Ala Leu Val Thr Ser His Val Trp Lys Pro Ser Leu Glu Ala  
 20 25 30

His Gln Ile Asn Ile Ser Pro Glu Pro Ser Ile His Tyr Asp Arg Trp  
 35 40 45

His Thr Gln Ser Asn Cys Ser Leu Ile Asn Ser Leu Gln  
 50 55 60

<210> 410  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 410  
Ile Pro Glu Glu Ala Ser Cys Phe Pro Ser Ala Val  
 1 5 10

<210> 411  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 411

Glu Ile Leu Phe Gly Lys Leu Lys Ser Lys Ala Ala Leu Cys Thr Gln  
 1 5 10 15

Gly

<210> 412  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 412  
 His Ala Asp Arg Tyr Thr Cys Cys Arg Cys Leu Ser Pro Phe Ser Leu  
 1 5 10 15

Ala Gly Leu

<210> 413  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 413  
 Leu Ser Asp Pro Leu Leu Leu Pro Asp Cys Ser Phe Ser Phe Asn  
 1 5 10 15

<210> 414  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<400> 414  
 Lys Ala Val Ala Tyr Ala Asn Val Ser Cys Arg Arg Phe Lys His Lys  
 1 5 10 15

Thr Thr Lys Leu Gly Pro Ile Gln Trp  
 20 25

<210> 415  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 415  
 Pro Ser Ser Gln Ser Pro Glu Pro Pro Gln Pro Leu Ser Leu Phe Val  
 1 5 10 15

Thr Arg Leu Pro Asn Leu Tyr Asp Phe Pro  
 20 25

<210> 416  
 <211> 19

<212> PRT  
<213> Homo sapiens

<400> 416  
Ser Arg Gln Ile Ile Cys Thr Asn Leu Cys Lys Cys Thr Pro Ile Cys  
1 5 10 15

Phe Leu Phe

<210> 417  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 417  
Lys Gly Ser Leu Pro Trp Arg Leu Leu Leu Pro Leu Asn Gly Pro  
1 5 10 15

<210> 418  
<211> 19  
<212> PRT  
<213> Homo sapiens

<400> 418  
Leu Cys Arg Leu Val Phe Glu Ser Ser Ala Gly His Val Ser Val Cys  
1 5 10 15

His Ser Phe

<210> 419  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 419  
Met Leu Leu Pro Val Asn Thr Leu Leu Tyr Ile  
1 5 10

<210> 420  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 420  
Leu Leu Thr Pro Leu Cys Phe Phe Tyr Gly Thr Ser Arg Pro  
1 5 10

<210> 421  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 421  
Pro Tyr Leu Glu Leu Val Thr  
1 5

<210> 422  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 422  
Leu Leu Lys Lys Lys Gln Ser Val Gly Phe Ser Val  
1 5 10

<210> 423  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 423  
Cys Ile Leu Glu Ala Gly Arg  
1 5

<210> 424  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 424  
Met Gly Phe Ser Ala Pro Thr Pro Gly Pro Leu  
1 5 10

<210> 425  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 425  
Phe Asp Leu Arg Arg Leu Ile Leu Ser Ile Val  
1 5 10

<210> 426  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 426  
Ala Phe Cys Pro His Val Thr Pro Cys Lys Tyr Ala Val Ile His Thr  
1 5 10 15

Val

<210> 427  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 427  
Asn Thr Pro Leu Leu Phe Leu Trp Asp Leu Gln  
1 5 10

<210> 428  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 428  
Ala Thr Ile Phe Arg Thr Ser Tyr Leu Ile Lys Lys Glu Lys Thr Val  
1 5 10 15

Cys

<210> 429  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 429  
Trp Leu Leu Ser Leu His Leu Gly Gly Arg Glu Val Arg Ala Gly Ala  
1 5 10 15

Pro

<210> 430  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 430  
Gln Thr Leu Gln Glu Gly Ser Leu His Ser Ile  
1 5 10

<210> 431  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 431  
Met Gly Phe Ser Ala Pro Thr Pro Gly Pro Leu Phe Asp Leu Arg Arg  
1 5 10 15

Leu Ile Leu Ser Ile Val Ala Phe Cys Pro His Val Thr Pro Cys Lys  
20 25 30

Tyr Ala Val Ile His Thr Val Asn Thr Pro Leu Leu Phe Leu Trp Asp  
 35                    40                    45

Leu Gln Ala Thr Ile Phe Arg Thr Ser Tyr Leu Ile Lys Lys Glu Lys  
 50                    55                    60

Thr Val Cys Trp Leu Leu Ser Leu His Leu Gly Gly Arg Glu Val Arg  
 65                    70                    75                    80

Ala Gly Ala Pro Gln Thr Leu Gln Glu Gly Ser Leu His Ser Ile  
 85                    90                    95

<210> 432

<211> 33

<212> PRT

<213> Homo sapiens

<400> 432

Tyr Trp Val Ser Ile Ser Gln Arg Ser Val Cys Gln Gln Ala Arg Thr  
 1                    5                    10                    15

Ser Ile Phe Phe Lys Asp Gly Leu Ser Arg Glu Lys Tyr Ser Asn Asn  
 20                    25                    30

Gly

<210> 433

<211> 160

<212> PRT

<213> Homo sapiens

<400> 433

Leu Ser Val Arg Ala Pro Gly Val Pro Ala Ala Arg Pro Arg Leu Ser  
 1                    5                    10                    15

Ser Ala Arg Gln Ala Gly Ala Gly Arg Gly Glu Leu Arg Gly Gln Arg  
 20                    25                    30

Leu Trp Leu Gly Pro Glu Cys Gly Cys Gly Ala Gly Gln Ala Gly Ser  
 35                    40                    45

Met Leu Arg Ala Val Gly Ser Leu Leu Arg Leu Gly Arg Gly Leu Thr  
 50                    55                    60

Val Arg Cys Gly Pro Gly Ala Pro Leu Glu Ala Thr Arg Arg Pro Ala  
 65                    70                    75                    80

Pro Ala Leu Pro Pro Arg Gly Leu Pro Cys Tyr Ser Ser Gly Gly Ala  
 85                    90                    95

Pro Ser Asn Ser Gly Pro Gln Gly His Gly Glu Ile His Arg Val Pro  
 100                    105                    110

Thr Gln Arg Arg Pro Ser Gln Phe Asp Lys Lys Ile Leu Leu Trp Thr

115

120

125

Gly Arg Phe Lys Ser Met Glu Glu Ile Pro Pro Arg Ile Pro Pro Glu  
 130 135 140

Met Ile Asp Thr Ala Arg Asn Lys Ala Arg Val Lys Ala Cys Tyr Ile  
 145 150 155 160

<210> 434  
 <211> 36  
 <212> PRT  
 <213> Homo sapiens

<400> 434  
 Leu Ser Val Arg Ala Pro Gly Val Pro Ala Ala Arg Pro Arg Leu Ser  
 1 5 10 15

Ser Ala Arg Gln Ala Gly Ala Gly Arg Gly Glu Leu Arg Gly Gln Arg  
 20 25 30

Leu Trp Leu Gly  
 35

<210> 435  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 435  
 Pro Glu Cys Gly Cys Gly Ala Gly Gln Ala Gly Ser Met Leu Arg Ala  
 1 5 10 15

Val Gly Ser Leu Leu Arg Leu Gly Arg Gly Leu Thr Val Arg Cys Gly  
 20 25 30

Pro Gly

<210> 436  
 <211> 34  
 <212> PRT  
 <213> Homo sapiens

<400> 436  
 Ala Pro Leu Glu Ala Thr Arg Arg Pro Ala Pro Ala Leu Pro Pro Arg  
 1 5 10 15

Gly Leu Pro Cys Tyr Ser Ser Gly Gly Ala Pro Ser Asn Ser Gly Pro  
 20 25 30

Gln Gly

<210> 437  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 437  
His Gly Glu Ile His Arg Val Pro Thr Gln Arg Arg Pro Ser Gln Phe  
1 5 10 15  
Asp Lys Lys Ile Leu Leu Trp Thr Gly Arg Phe  
20 25

<210> 438  
<211> 29  
<212> PRT  
<213> Homo sapiens

<400> 438  
Lys Ser Met Glu Glu Ile Pro Pro Arg Ile Pro Pro Glu Met Ile Asp  
1 5 10 15  
Thr Ala Arg Asn Lys Ala Arg Val Lys Ala Cys Tyr Ile  
20 25

<210> 439  
<211> 57  
<212> PRT  
<213> Homo sapiens

<400> 439  
Cys Ser Pro Gly Gln Asp Glu Met Gln Asp Glu Thr Trp Cys Ser Gly  
1 5 10 15  
Gln Ser Glu Thr Val Asn Glu Ala Lys Gln Leu Arg Thr Thr His Ser  
20 25 30  
Arg Val Pro Asn Gln Gln Val Cys Val Cys Gly Trp Leu Pro Val Asn  
35 40 45  
Ile Ser Pro His Ser Pro Leu Lys Lys  
50 55

<210> 440  
<211> 147  
<212> PRT  
<213> Homo sapiens

<400> 440  
Met Ser Gly Asp Val Cys Val Phe Gly Tyr Ala His Leu His Ser Gln  
1 5 10 15  
Thr Lys His Ser Gly Ser Gln Gly Trp Val Leu Ile Tyr Leu Phe Ala  
20 25 30

Met Gln Lys Ile Ser Cys Thr Lys Leu Pro Leu Leu Arg Asn Leu Lys  
 35 40 45

Leu Asn Leu Val Trp Leu Ser Gln Gly Trp Val Phe Phe Lys Gly Leu  
 50 55 60

Trp Gly Glu Met Leu Thr Gly Ser His Pro Gln Thr His Thr Cys Trp  
 65 70 75 80

Leu Gly Thr Arg Leu Trp Val Val Leu Ser Cys Leu Ala Ser Leu Thr  
 85 90 95

Val Ser Asp Cys Pro Glu His Gln Val Ser Ser Cys Ile Ser Ser Trp  
 100 105 110

Pro Gly Glu His Ser Val Ser Phe Gln Pro Phe Pro Pro Phe Pro His  
 115 120 125

Ser Leu Gly Gly Thr Glu Val Gly Val Glu Glu Ser Gln Met Ala Gly  
 130 135 140

Val Gly Ile  
 145

<210> 441

<211> 15

<212> PRT

<213> Homo sapiens

<400> 441

Leu Asn Ile Leu Ile Ser Leu Thr Val Ser Ser His Cys Lys Leu  
 1 5 10 15

<210> 442

<211> 13

<212> PRT

<213> Homo sapiens

<400> 442

Ile Asn Tyr His Ser Gly Phe Ile His Gln Phe Leu Ala  
 1 5 10

<210> 443

<211> 11

<212> PRT

<213> Homo sapiens

<400> 443

Met Ala Asn Asn Ser Leu Ser Ser Gln Phe Ile  
 1 5 10

<210> 444

<211> 65

<212> PRT  
<213> Homo sapiens

<400> 444  
Ile Ser Gly Val Leu Ile Phe Asn Leu Ile Ala Ser Ser Trp Val Leu  
1 5 10 15  
Cys Phe Pro Leu Cys Asp Leu Ser Cys Gln Lys Thr Leu Arg Ile Phe  
20 25 30  
Phe Ala Ser Phe Phe His Ala Val Cys Val His Val Ser Cys Thr Ser  
35 40 45  
Trp Gln Pro Leu Val Leu Phe Ile Lys Trp Trp Val Val Gly Cys Ser  
50 55 60

Pro  
65

<210> 445  
<211> 23  
<212> PRT  
<213> Homo sapiens

<400> 445  
Cys Asp Leu Ser Cys Gln Lys Thr Leu Arg Ile Phe Phe Ala Ser Phe  
1 5 10 15  
Phe His Ala Val Cys Val His  
20

<210> 446  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 446  
Glu Leu Ala Ile Gly Glu Ser Cys Ser  
1 5

<210> 447  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 447  
Pro Val Ile Trp Pro Asp Gly Lys Arg Ile Val Leu Leu Ala Glu Val  
1 5 10 15

Ser

<210> 448  
<211> 27

<212> PRT  
<213> Homo sapiens

<400> 448  
Phe Tyr Tyr Phe Trp Arg Gln Gly Gly Ser Cys Phe Val Gln Thr Gly  
1 5 10 15  
Val Gln Trp Cys Asp His Gly Ser Leu Gln Leu  
20 25

<210> 449  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 449  
Thr Pro Gly Arg Gln Ser Lys Thr Pro Ser  
1 5 10

<210> 450  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 450  
Tyr Phe Ile Ile Phe Gly Asp Arg Glu Gly Leu Ala Leu Phe Arg Leu  
1 5 10 15  
Glu Cys Ser Gly Val Ile Met Ala His Cys Asn Phe Glu Leu Leu Gly  
20 25 30

Asp Arg

<210> 451  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 451  
Cys Phe Leu Ser Val Ser Phe Gln Trp Asn  
1 5 10

<210> 452  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 452  
Val Thr Ile Ala Gln Val Gly Ile Phe Val Cys Phe Val His Cys Cys  
1 5 10 15

Thr

<210> 453  
<211> 17  
<212> PRT  
<213> Homo sapiens

<400> 453  
Pro Gly Gln Val Pro Ser Lys His Leu Gly Ser Asn Ala Ser Val Arg  
1 5 10 15

Ala

<210> 454  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 454  
Asp Glu Gly Ala Lys Val Gln Arg Arg Pro Trp Gly Ser Gln Thr His  
1 5 10 15

Ser Pro Val Leu Phe Leu  
20

<210> 455  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 455  
Leu Thr Arg Pro Gly Leu Trp Gly Ser Leu Leu Pro Val Gln Gln  
1 5 10 15

Arg Gly

<210> 456  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 456  
Cys Ala Ser Leu Gly Val Leu Arg Ala Asn Arg Ser Pro Cys Val  
1 5 10 15

<210> 457.  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 457  
Ser Trp Leu Glu Val Thr Thr Leu Ser Ala Pro Gly Pro Val Ile Thr

1

5

10

15

Thr Tyr

&lt;210&gt; 458

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 458

Pro Gly Gln Trp Val Arg Glu Ile Xaa Leu Val Gly Arg Ala Val Ala  
1 5 10 15

Arg Val

&lt;210&gt; 459

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (6)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 459

Leu Thr Trp Pro Pro Xaa Gly Pro Met Gly Thr Val Trp Pro Gly Phe  
1 5 10 15

&lt;210&gt; 460

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 460

Met Ala Asp Ile Pro Gly Thr Phe Leu Ala Leu Gly Cys His Gly Gln  
1 5 10 15

Arg

&lt;210&gt; 461

&lt;211&gt; 15

&lt;212&gt; PRT

<213> Homo sapiens

<400> 461  
 Val Gly Arg Gly Ser Trp Ala Ser Gly Trp Thr Asn Gln Ser Ala  
 1 5 10 15

<210> 462

<211> 16

<212> PRT

<213> Homo sapiens

<400> 462  
 Pro Asp His Pro Leu Pro Val Gly Leu Leu Glu Ala Trp Arg Val Glu  
 1 5 10 15

<210> 463

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 463

Trp Gly Ser Gln Thr His Ser Pro Val Leu Phe Leu Leu Thr Arg Pro  
 1 5 10 15

Gly Leu Trp Gly Ser Leu Leu Pro Val Gln Gln Gln Arg Gly Cys Ala  
 20 25 30

Ser Leu Gly Val Leu Arg Ala Asn Arg Ser Pro Cys Val Ser Trp Leu  
 35 40 45

Glu Val Thr Thr Leu Ser Ala Pro Gly Pro Val Ile Thr Thr Tyr Pro  
 50 55 60

Gly Gln Trp Val Arg Glu Ile Xaa Leu Val Gly Arg Ala Val Ala Arg  
 65 70 75 80

Val Leu Thr Trp Pro Pro Xaa Gly Pro Met Gly Thr Val Trp Pro Gly  
 85 90 95

Phe Met Ala Asp Ile Pro Gly Thr Phe Leu Ala Leu Gly Cys His Gly  
 100 105 110

Gln Arg Val Gly Arg Gly Ser Trp Ala Ser Gly Trp Thr Asn Gln Xaa

115

120

125

Ser Ala Phe Pro Ala Gly Pro Pro Asp His Pro Leu Pro Val  
 130 135 140

&lt;210&gt; 464

&lt;211&gt; 94

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the naturally occurring L-amino acids

&lt;400&gt; 464

Leu Ala Arg Ala Asp Pro Pro Gly Cys Arg Arg Arg Gly Trp Arg Pro  
 1 5 10 15

Ser Ser Ala Glu Leu Gln Leu Arg Leu Leu Thr Pro Thr Phe Glu Gly  
 20 25 30

Ile Asn Gly Leu Leu Leu Lys Gln His Leu Val Gln Asn Pro Val Arg  
 35 40 45

Leu Trp Gln Leu Leu Gly Gly Thr Phe Tyr Phe Asn Thr Ser Arg Leu  
 50 55 60

Lys Gln Lys Asn Lys Glu Lys Asp Lys Ser Lys Gly Lys Ala Pro Glu  
 65 70 75 80

Glu Asp Glu Xaa Glu Arg Arg Arg Glu Arg Asp Asp Gln  
 85 90

&lt;210&gt; 465

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 465

Phe Leu Arg Phe Trp Cys Thr Cys His Val Ser Ser  
 1 5 10